

PROCEEDINGS
OF THE
DORSET NATURAL HISTORY
AND
ANTIQUARIAN FIELD CLUB.

EDITED BY
HENRY SYMONDS.

VOLUME XXXIV.

Dorchester :
PRINTED AT THE "DORSET COUNTY CHRONICLE" OFFICE.
1913

DA
670
D69D6
v.34



984729

CONTENTS.

	PAGE
List of Officers of the Club since its Inauguration	v.
Rules of the Club	vi.
List of Officers and Honorary Members	xi.
List of Members	xii.
List of New Members since the publication of Vol. XXXIII. ..	xxv.
Publications of the Club; Societies and Institutions in Correspondence with the Field Club	xxvi.
THE PROCEEDINGS OF THE CLUB from May, 1912, to May, 1913—	
MEETING AT BEAULIEU	xxvii.
Buckler's Hard	xxviii.
Beaulieu Abbey	xxviii.
MEETING AT MARLBOROUGH	xxx.
The School	xxx.
Avebury Church	xxx.
The Temple of Avebury.—The Excavations ..	xxx.i.
Silbury	xxxii.
Knowle Chapel and Gravel Pits	xxxiii.
Froxfield Almshouses	xxxiii.
Littlecote Hall	xxxiv.
Ramsbury	xxxiv.
THE INTENDED MEETING IN THE CERNE VALLEY ..	xxxv.
MEETING AT THE UPPER YEO VALLEY	xxxvi.
Trent Church	xxxvi.
Wyke Grange	xxxvi.
Bradford Abbas Church	xxxvii.
Clifton Maybank	xxxvii.
Newton Surmaville	xxxvii.
MEETING AT THE CERNE VALLEY	xxxix.
Cerne Abbas	xl.
Minterne and Upcerne	xli.
FIRST WINTER MEETING	xlii.
SECOND WINTER MEETING	xlvii.
ANNUAL MEETING	xlix.
The Hon. Treasurer's Statement of the Club's Receipts and Expenditure	liv.
The Hon. Secretary's Account	lv.
Anniversary Address of the President	
Scando-Gothic Art in Wessex, by H. Colley March, M.D., F.S.A. ..	l
Dorset Assizes in the Seventeenth Century, by F. J. Pope, F.R.Hist.S.	17
The Ancient Earthworks of Cranborne Chase, by Heywood Sumner, F.S.A.	31
A Reminiscence of the late Rev. C. W. H. Dicker, R.D., and some Observations on Bloxworth Church, by the Rev. O. Pickard-Cambridge, M.A., F.R.S.	41
Second Supplement to the Lepidoptera of the Isle of Purbeck, compiled from the Notes of Eustace R. Bankes, M.A., F.E.S., by Nelson M. Richardson, B.A.	44
Interim Report on the Excavations at Maumbury Rings, Dorchester, 1912, by H. St. George Gray	81
On New and Rare British Arachnida, noted and observed in 1912, by the Rev. O. Pickard-Cambridge, M.A., F.R.S. ..	107

	PAGE
Dorset Weather Lore, by J. S. Udal, F.S.A.	137
Sherborne Brewers in 1383 (6 Richard II.), by E. A. Fry . . .	151
The Ancient Memorial Brasses of Dorset, by W. de C. Prideaux, L.D.S., Eng., F.R.S.M.	158
The Marriage of St. Cuthburga, who was afterwards Foundress of the Monastery at Wimborne, by the Rev. Canon J. M. J. Fletcher, M.A. and R.D.	167
Returns of Rainfall in Dorset in 1912, by R. Stevenson Henshaw, C.E.	186
Phenological Report on First Appearances of Birds, Insects, &c., and First Flowering of Plants in Dorset during 1912, by Nelson M. Richardson, B.A.	200
Roman Villas discovered in Dorset. Their Sites and the Relics found therein which throw light upon the Civil Life of their occupants, by the Rev. Canon T. E. Usherwood, M.A.	216
Index to Volume XXXIV.	237

INDEX TO PLATES AND ENGRAVINGS.

	PAGE OR TO FACE PAGE.
Newton Surmaville, Yeovil	xxxviii.
Scando-Gothic Art in Wessex—	
Plate A and B	3
Plate C and D	9
Plate E	14
The Ancient Earthworks of Cranborne Chase—	
Badbury Rings	39
Buzbury Rings	39
British Settlement on South Tarrant Hinton Down . . .	39
Knowlton Earthworks	39
Bloxworth Church—Doorway and Font	42
Interim Report on the Excavations at Maumbury Rings, Dor- chester, 1912—	
Plate I.	81
Plate II.	93
Fig. 1	94
Plate III.	95
Fig. 2	98
Plate IV.	101
Plate V.	103
On New and Rare British Arachnida—	
Plate A	107
The Ancient Memorial Brasses of Dorset—	
George Burges, 1640, Wareham; Ann Franke, 1583, Wareham .	159
William Perkins, 1613, Wareham; Richard Perkins, 1616, Wareham	160
Mary Argenton, 1616, Woolland	161
Dorothy Williams, 1694, Pimperne	162
Thomas Pethyn, c. 1470, Lytchett Matravers; Margaret Clement, 1505, Lytchett Matravers	163
John Clavell, Esq., and two wives, 1609, Church Knowle . .	165

The Dorset Natural History and Antiquarian Field Club.

INAUGURATED MARCH 26TH, 1875.

Presidents :

- 1875-1902—J. C. Mansel-Pleydell, Esq., B.A., F.G.S., F.L.S.
 1902-1904—The Lord Eustace Cecil, F.R.G.S.
 1904 * Nelson M. Richardson, Esq., B.A.

Vice-Presidents :

- 1875-1882—The Rev. H. H. Wood, M.A., F.G.S.
 1875-1884—Professor James Buckman, F.S.A., F.G.S., F.L.S.
 1880-1900—The Rev. Canon Sir Talbot Baker, Bart., M.A.
 1880-1900—General Pitt-Rivers, F.R.S.
 1880 * The Rev. O. Pickard-Cambridge, M.A., F.R.S., F.Z.S.
 1885 * The Earl of Moray, M.A., F.S.A. Scot., F.G.S.
 1892-1904—Nelson M. Richardson, Esq., B.A.
 1900-1902 } * The Lord Eustace Cecil, F.R.G.S.
 1904 }
 1900-1909—W. H. Hudleston, Esq., M.A., F.R.S., F.G.S., F.L.S., *Past Pres.*

Geol. Soc.

- 1900-1904—Vaughan Cornish, Esq., D.Sc., F.C.S., F.R.G.S.
 1900 * Captain G. R. Elwes.
 1902 * H. Colley March, Esq., M.D., F.S.A.
 1904 * The Rev. Herbert Pentin, M.A.
 1904 * The Rev. W. Miles Barnes, B.A.
 1904 * The Rev. Canon J. C. M. Mansel-Pleydell, M.A., R.D.
 1904-1908—R. Bosworth Smith, Esq., M.A.
 1908-1909—Henry Storks Eaton, Esq., M.A., *Past Pres. Roy. Met. Soc.*
 1909 * The Rev. Canon C. H. Mayo, M.A., *Dorset Editor of "Somerset and Dorset Notes and Queries."*
 1909 * E. R. Sykes, Esq., B.A., F.Z.S., *Past Pres. Malacological Soc.*
 1911-1912—The Rev. C. W. H. Dicker, R.D.
 1912 * Alfred Pope, Esq., F.S.A.
 1913 * Henry Symonds, Esq., F.S.A.
 1913 * His Honour Judge J. S. Udal, F.S.A.

Hon. Secretaries :

- 1875-1884—Professor James Buckman, F.S.A., F.G.S., F.L.S.
 1885-1892—The Earl of Moray, M.A., F.S.A. Scot., F.G.S.
 1892-1902—Nelson M. Richardson, Esq., B.A.
 1902-1904—H. Colley March, Esq., M.D., F.S.A.
 1904 * The Rev. Herbert Pentin, M.A.

Hon. Treasurers :

- 1875-1882—The Rev. H. H. Wood, M.A., F.G.S.
 1882-1900—The Rev. O. Pickard-Cambridge, M.A., F.R.S., F.Z.S.
 1901-1910—Captain G. R. Elwes.
 1910 * The Rev. Canon J. C. M. Mansel-Pleydell, M.A., R.D.

Hon. Editors :

- 1875-1884—Professor James Buckman, F.S.A., F.G.S., F.L.S.
 1885-1892—The Earl of Moray, M.A., F.S.A. Scot., F.G.S.
 1892-1901—Nelson M. Richardson, Esq., B.A.
 1901-1906—The Rev. W. Miles Barnes, B.A.
 1906-1909—The Rev. Herbert Pentin, M.A.
 1909-1912—The Rev. C. W. H. Dicker, R.D.
 1912 * Henry Symonds, Esq., F.S.A.

* The asterisk indicates the present officials of the Club.

RULES

OF

THE DORSET NATURAL HISTORY AND ANTIQUARIAN FIELD CLUB.

OBJECT AND CONSTITUTION.

1.—The Club shall be called The Dorset Natural History and Antiquarian Field Club, and shall have for a short title The Dorset Field Club.

The object of the Club is to promote and encourage an interest in the study of the Physical Sciences and Archæology generally, especially the Natural History of the County of Dorset and its Antiquities, Prehistoric records, and Ethnology. It shall use its influence to prevent, as far as possible, the extirpation of rare plants and animals, and to promote the preservation of the Antiquities of the County.

2.—The Club shall consist of (i.) three Officers, President, Honorary Secretary, and Honorary Treasurer, who shall be elected annually, and shall form the Executive body for its management; (ii.) Vice-Presidents, of whom the Honorary Secretary and Treasurer shall be two, *ex officio*; (iii.) The Honorary Editor of the Annual Volume of Proceedings; (iv.) Ordinary Members; (v.) Honorary Members. The President, Vice-Presidents, and Editor shall form a Council to decide questions referred to them by the Executive and to elect Honorary Members. The Editor shall be nominated by one of the incoming Executive and elected at the Annual Meeting.

There may also be one or more Honorary Assistant Secretaries, who shall be nominated by the Honorary Secretary, seconded by the President or Treasurer, and elected by the Members at the Annual Meeting.

Members may be appointed by the remaining Officers to fill interim vacancies in the Executive Body until the following Annual Meeting.

The number of the Club shall be limited to 400, power being reserved to the Council to select from the list of candidates persons, whose membership they may consider to be advantageous to the interests of the Club, to be additional Members.

PRESIDENT AND VICE-PRESIDENTS.

3.—The President shall take the chair at all Meetings, and have an original and a casting vote on all questions before the Meeting. In addition to the two *ex-officio* Vice-Presidents, at least three others shall be nominated by the President, or, in his absence, by the Chairman, and elected at the Annual Meeting.

HON. SECRETARY.

4.—The Secretary shall perform all the usual secretarial work; cause a programme of each Meeting to be sent to every Member seven days at least before such Meeting; make all preparations for carrying out Meetings and, with or without the help of a paid Assistant Secretary or others, conduct all Field Meetings. On any question arising between the Secretary (or Acting Secretary) and a Member at a Field Meeting, the decision of the Secretary shall be final.

The Secretary shall receive from each Member his or her share of the day's expenses, and thereout defray all incidental costs and charges of the Meeting, rendering an account of the same before the Annual Meeting to the Treasurer; any surplus of such collection shall form part of the General Fund, and any deficit be defrayed out of that Fund.

HON. TREASURER.

5.—The Treasurer shall keep an account of Subscriptions and all other moneys of the Club received and of all Disbursements, rendering at the Annual General Meeting a balance sheet of the same, as well as a general statement of the Club's finances. He shall send copies of the Annual Volume of Proceedings for each year to Ordinary Members who have paid their subscriptions for that year (as nearly as may be possible, in the order of such payment), to Honorary Members, and to such Societies and individuals as the Club may, from time to time, appoint to receive them. He shall also furnish a list at each Annual Meeting, containing the names of all Members in arrear, with the amount of their indebtedness to the Club. He shall also give notice of their election to all New Members.

ORDINARY MEMBERS.

6.—Ordinary Members are entitled to be present and take part in the Club's proceedings at all Meetings, and to receive the published "Proceedings" of the Club, when issued, for the year for which their subscription has been paid.

7.—Every candidate for admission shall be nominated in writing by one Member and seconded by another, to both of whom he must be personally known. He may be proposed at any Meeting, and his name shall appear in the programme of the first following Meeting at which a Ballot is held, when he shall be elected by ballot, one black ball in six to exclude. Twelve Members shall form a quorum for the purpose of election. A Ballot shall be held at the Annual and Winter Meetings, and may be held at any other Meeting, should the Executive so decide, notice being given in the programme. In the event of the number of vacancies being less than the number of candidates at four successive Meetings, the names of any candidates proposed at the first of such Meetings who have not been elected at one of them shall be withdrawn, and shall not be eligible to be again proposed for election for at least a year after such withdrawal. Provided that if at any Meeting there shall be no vacancies available, it shall not be counted in estimating the above named four Meetings.

8.—The Annual Subscription shall be 10s., which shall become due and payable in advance on the 1st of January in each year. Subscriptions paid on election after September in each year shall be considered as subscriptions for the following year, unless otherwise agreed upon by such Member and the Treasurer. Every Member shall pay immediately after his election the sum of ten shillings as Entrance Fee, in addition to his first Annual Subscription.

9.—No person elected a Member shall be entitled to exercise any privilege as such until he has paid his Entrance Fee and first Subscription, and no Member shall be entitled to receive a copy of the "Proceedings" for any year until his Subscription for that year has been paid.

10.—A registered letter shall be sent by the Hon. Treasurer to any Member whose Subscription is in arrear at the date of any Annual Meeting, demanding payment within 28 days, failing which he shall cease to be a Member of the Club, but shall, nevertheless, be liable for the arrears then due.

11.—Members desiring to leave the Club shall give notice of the same in writing to the Treasurer (or Secretary), but, unless such notice is given before the end of January in any year, they shall be liable to pay the Annual Subscription due to the Club on and after January 1st in that year.

HONORARY MEMBERS.

12.—Honorary Members shall consist of persons eminent for scientific or natural history attainments, and shall be elected by the Council. They pay no subscription, and have all the privileges of Ordinary Members, except voting.

MEETINGS.

13.—The Annual General Meeting shall be held as near the first week in May as may be convenient; to receive the outgoing President's Address (if any) and the Treasurer's financial report; to elect the Officers and Editor for the ensuing year; to determine the number (which shall usually be three or four), dates, and places of Field Meetings during the ensuing summer, and for general purposes.

14.—Two Winter Meetings shall usually be held in or about the months of December and February for the exhibition of Objects of Interest (to which not more than one hour of the time before the reading of the Papers shall be devoted), for the reading and discussion of Papers, and for general purposes.

The Dates and Places of the Winter and Annual Meetings shall be decided by the Executive.

15.—A Member may bring Friends to the Meetings subject to the following restrictions:—No person (except the husband, wife, or child of a Member), may attend the Meeting unaccompanied by the Member introducing him, unless such Member be prevented from attending by illness, and no Member may take with him to a *Field Meeting* more than one Friend, whose name and address must be submitted to the Hon. Secretary and approved by him or the Executive.

The above restrictions do not apply to the Executive or to the Acting Secretary at the Meeting.

16.—Members must give due notice (with prepayment of expenses) to the Hon. Secretary of their intention to be present, with or without a Friend, at any Field Meeting, in return for which the Secretary shall send to the Member a card of admission to the Meeting, to be produced when required. Any Member who, having given such notice, fails to attend, will be liable only for any expenses actually incurred on his account, and any balance will be returned to him on application. The sum of 1s., or such other amount as the Hon. Secretary may consider necessary, shall be charged to each person attending a Field Meeting, for Incidental Expenses.

17.—The Executive may at any time call a Special General Meeting of the Members upon their own initiative or upon a written requisition (signed by Eight Members) being sent to the Honorary Secretary. Any proposition to be submitted shall be stated in the Notice, which shall be sent to each Member of the Club not later than seven days before the Meeting.

PAPERS.

18.—Notice shall be given to the Secretary, a convenient time before each Meeting, of any motion to be made or any Paper or communication desired to be read, with its title and a short sketch of its scope or contents. The insertion of these in the Programme is subject to the consent of the Executive.

19.—The Publications of the Club shall be in the hands of the Executive, who shall appoint annually Three or more Ordinary Members to form with them and the Editor a Publication Committee for the purpose of deciding upon the contents of the Annual Volume. These contents shall consist of original papers and communications written for the Club, and either read, or accepted as read, at a General Meeting; also of the Secretary's Reports of Meetings, the Treasurer's Financial Statement and Balance Sheet, a list to date of all Members of the Club, and of those elected in the current or previous year, with the names of their proposers and seconders. The Annual Volume shall be edited by the Editor subject to the direction of the Publication Committee.

20.—Twenty-five copies of his paper shall be presented to each author whose communication shall appear in the volume as a separate article, on notice being given by him to the Publisher to that effect.

THE AFFILIATION OF SOCIETIES AND LIBRARIES TO THE CLUB.

21.—Any Natural History or Antiquarian Society in the County may be affiliated to the Dorset Field Club on payment of an annual fee of Ten Shillings, in return for which the annual volume of the Proceedings of the Field Club shall be sent to such Society.

Every affiliated Society shall send the programme of its Meetings to the Hon. Secretary of the Field Club, and shall also report any discoveries of exceptional interest. And the Field Club shall send its programme to the Hon. Secretary of each affiliated Society.

X.

The Members of the Field Club shall not be eligible, *ipso facto*, to attend any Meetings of affiliated Societies, and the Members of any affiliated Society shall not be eligible, *ipso facto*, to attend any Meetings of the Field Club. But any Member of an affiliated Society shall be eligible to read a paper or make an exhibit at the Winter Meetings of the Field Club at Dorchester.

Any Public Library, or Club or School or College Library, in England or elsewhere, may be affiliated to the Dorset Field Club on payment of an annual fee of Ten Shillings, in return for which the annual volume of the Proceedings of the Field Club shall be sent to such Library.

SECTIONAL COMMITTEES.

22.—Small Committees may be appointed at the Annual General Meeting to report to the Club any interesting facts or discoveries relating to the various sections which they represent ; and the Committee of each section may elect one of their Members as a Corresponding Secretary.

NEW RULES.

23.—No alteration in or addition to these Rules shall be made except with the consent of a majority of three-fourths of the Members present at the Annual General Meeting, full notice of the proposed alteration or addition having been given both in the current Programme and in that of the previous Meeting.



The Dorset Natural History and Antiquarian Field Club.

INAUGURATED MARCH 26th, 1875.

President :

NELSON M. RICHARDSON, Esq., B.A.

Vice-Presidents :

THE LORD EUSTACE CECIL, F.R.G.S. (*Past President*).

THE REV. HERBERT PENTIN, M.A. (*Hon. Secretary*).

THE REV. CANON MANSEL-PLEYDELL, M.A., R.D. (*Hon. Treasurer*).

HENRY SYMONDS, Esq., F.S.A. (*Hon. Editor*).

CAPTAIN G. R. ELWES, J.P.

H. COLLEY MARCH, Esq., M.D., F.S.A.

THE REV. CANON MAYO, M.A. (*Dorset Editor of "Somerset and Dorset Notes and Queries"*).

THE REV. W. MILES BARNES, B.A.

THE EARL OF MORAY, M.A., F.S.A. Scot., F.G.S.

THE REV. O. PICKARD-CAMBRIDGE, M.A., F.R.S., F.Z.S.

ALFRED POPE, Esq., F.S.A.

E. R. SYKES, Esq., B.A., F.Z.S. (*Past Pres. Malacological Society*).

HIS HONOUR JUDGE J. S. UDAL, F.S.A.

Executive Body :

NELSON M. RICHARDSON, Esq., B.A. (*President*).

The Rev. HERBERT PENTIN, M.A. (*Hon. Secretary*), Milton Abbey Vicarage, Blandford.

The Rev. Canon MANSEL-PLEYDELL, M.A. (*Hon. Treasurer*), Sturminster Newton Vicarage, Dorset.

Hon. Editor :

HENRY SYMONDS, Esq., F.S.A., 30, Bolton Gardens, London, S.W.

Publication Committee :

The EXECUTIVE, The HON. EDITOR, H. B. MIDDLETON, Esq.,

Dr. COLLEY MARCH, and E. R. SYKES, Esq.

Hon. Director of the Dorset Photographic Survey :

C. J. CORNISH-BROWNE, Esq., Came House, Dorchester.

Earthworks Sectional Committee :

H. COLLEY MARCH Esq., M.D., F.S.A. (*Chairman*).

Numismatic Sectional Committee :

HENRY SYMONDS, Esq., F.S.A. (*Corresponding Secretary*).

Honorary Members :

- O.M. W. CARRUTHERS, Esq., Ph.D., F.R.S., F.G.S., F.L.S., British Museum (Nat. Hist.), South Kensington.
- 1888 The Rev. OSMOND FISHER, M.A., F.G.S., Graveley, Huntingdon.
- 1889 A. M. WALLIS, Esq., 29, Mallams, Portland.
- 1900 A. J. JUKES-BROWNE, Esq., B.A., F.R.S., F.G.S., Westleigh, Ash-Hill Road, Torquay.
- 1900 R. LYDEKKER, Esq., B.A., F.R.S., F.G.S., F.Z.S., The Lodge, Harpenden, Herts.
- 1900 CLEMENT REID, Esq., F.R.S., F.L.S., F.G.S., One Acre, Milford-on-Sea, Hants.
- 1900 A. SMITH WOODWARD, Esq., LL.D., F.R.S., F.G.S., British Museum (Nat. Hist.), South Kensington, London.
- 1904 Sir WM. THISELTON DYER, K.C.M.G., C.I.E., LL.D., Sc.D., Ph.D., F.R.S., The Ferns, Witcombe, Gloucester.
- 1904 Sir FREDERICK TREVES, Bart., G.C.V.O., C.B., LL.D., Thatched House Lodge, Richmond Park, Kingston-on-Thames.
- 1908 THOMAS HARDY, Esq., O.M., D. Litt., LL.D., Max Gate, Dorchester.
- 1909 ALFRED RUSSEL WALLACE, Esq., O.M., LL.D., D.C.L., F.R.S., Broadstone.

LIST OF MEMBERS

OF THE

Dorset Natural History and Antiquarian Field Club.

*Year of**Election. (The initials "O.M." signify "Original Member.")*

1903	The Most Hon. the Marquis of Salisbury, M.A., C.B.	The Manor House, Cranborne
1911	The Right Hon. Gertrude, Countess of Moray	Westfield, Wimborne
O.M.	The Right Hon. the Earl of Moray, M.A., F.S.A. Scot., F.G.S. (<i>Vice-President</i>)	Kinfauns Castle, Perth, N.B.
1911	The Right Hon. the Earl of Ilchester	Melbury, Dorchester
1902	The Right Hon. the Earl of Shaftesbury, K.C.V.O.	St. Giles, Wimborne
1884	The Right Hon. Lord Eustace Cecil, F.R.G.S. (<i>Vice-President</i>)	Lytchett Heath, Poole
1903	The Right Hon. Lady Eustace Cecil	Lytchett Heath, Poole
1904	The Right Rev. the Lord Bishop of Durham, D.D.	Auckland Castle, Bishop's Auckland
1892	The Right Rev. the Lord Bishop of Worcester, D.D., F.S.A.	Hartlebury Castle, Kidderminster
1912	The Right Rev. the Lord Bishop of Salisbury, D.D.	The Palace, Salisbury
1889	The Right Hon. Lord Digby	Minterne, Dorchester
1903	The Right Hon. Lord Chelmsford	18, Queen's Gate Place, London, S.W.
1907	The Right Hon. Lord Wynford	Warmwell House, Dorchester
1907	The Right Hon. Lady Wynford	Warmwell House, Dorchester
1910	Abbott, F. E., Esq.	75, St. Thomas Street, Weymouth
1893	Acland, Captain John E., M.A., F.S.A.	Wollaston House, Dorchester
1892	Acton, Rev. Edward, B.A.	Iwerne Minster Vicarage, Blandford
1899	Aldridge, Mrs. Selina	Denewood, Alum Chine Road, Bourne- mouth
1912	Alexander, Miss Constance	The Grange, Chetnole, Sherborne
1907	Allner, Mrs. George	National Provincial Bank, Sturminster Newton

- 1908 Almack, Rev. A. C., M.A. The Rectory, Blandford St. Mary
- 1906 Atkins, F. T., Esq., M.R.C.S.,
L.R.C.P. Edin. Cathay, Alumhurst Road, Bournemouth
- 1907 Atkinson, George T., Esq., M.A. Durlston Court, Swanage
- 1907 Badcoe, A. C., Esq., B.Sc. Lustleigh, Maumbury Way, Dorchester
- 1902 Baker, Sir Randolph L., Bart., M.P. Ranston, Blandford
- 1912 Baker, Rev. E. W., B.A. The Rectory, Witchampton
- 1887 Bankes, Rev. Canon, M.A. The Close, Salisbury
- 1906 Bankes, Mrs. Kingston Lacy, Wimborne
- 1912 Bankes, Jerome N., Esq., F.S.A. 63, Redcliffe Gardens, London, S.W.
- 1902 Barkworth, Edmund, Esq. South House, Pydeltrenthide
- 1904 Barlow, Major C. M. Southcot, Charminster
- 1894 Barnes, Mrs. John Iles Blandford
- 1889 Barnes, Rev. W. M., B.A. (*Vice-President*) Weymouth Avenue, Dorchester
- 1903 Barnes, F. J., Esq., F.G.S. Glenthorn, Weymouth
- 1903 Barnes, Mrs. F. J. Glenthorn, Weymouth
- 1884 Barrett, W. Bowles, Esq. 2, Belfield Terrace, Weymouth
- 1906 Barrow, Richard, Esq. Sorrento House, Sandecotes, Parkstone
- 1895 Bartelot, Rev. R. Grosvenor, M.A. Fordington St. George Vicarage,
Dorchester
- 1893 Baskett, S. R., Esq. Evershot
- 1904 Baskett, Mrs. S. R. Evershot
- 1909 Batten, Colonel J. Mount, C.B.,
Lord-Lieutenant of Dorset Up-Cerne House, Dorchester, and
Morningson Lodge, West Kensington
- 1910 Baxter, Lieut.-Colonel W. H., The Wilderness, Sherborne
- 1910 Baxter, Mrs. W. H. The Wilderness, Sherborne
- 1888 Beckford, F. J., Esq. Witley, Parkstone
- 1908 Benett-Stanford, Major J.,
F.R.G.S., F.Z.S. Hatch House, Tisbury, Wilts
- 1910 Blackett, Rev. J. C., B.A. Gillingham
- 1912 Blackett, C. H., Esq. Rasapenna, McKinley Road, Bournemouth
- 1912 Blackett, W. E., Esq. Blanchland, McKinley Road, Bournemouth
- 1910 Blomefield, Commander T. C. A.,
R.N. 8, Old Castle Road, Weymouth
- 1903 Bond, Gerald Denis, Esq. Holme, Wareham
- 1906 Bond, Nigel de M., Esq., M.A. 8, Evelyn Gardens, London, S.W.
- 1903 Bond, Wm. Ralph G., Esq. Tyneham, Wareham
- 1910 Bond, F. Bligh, Esq., F.R.I.B.A. The Guild House, Glastonbury
- 1894 Bonsor, Geo., Esq. El Castillo, Mairena del Alcor,
Sevilla, Spain

1889	Bower, H. Syndercombe, Esq.	Fontmell Parva, Shillingstone, Blandford
1900	Bower, Rev. Charles H. S., M.A.	Childe Okeford Rectory, Shillingstone, Dorset
1898	Brandreth, Rev. F. W., M.A.	Buckland Newton, Dorchester
1901	Brennand, John, Esq.	Belmont, Parkstone
1900	Brown, Miss	Belle Vue, Shaftesbury
1895	Brymer, Rev. J. G., M.A.	Ilsington House, Puddletown
1907	Bulfin, Ignatius, Esq., B.A.	The Den, Knole Hill, Bournemouth
1900	Bullen, Colonel John Bullen Symes	Catherston Leweston, near Charmouth
1907	Bury, Mrs. Henry	Mayfield House, Farnham, Surrey
1905	Busk, W. G., Esq.	Wraxall Manor, Cattistock, Dorchester
1905	Busk, Mrs. W. G.	Wraxall Manor, Cattistock, Dorchester
1901	Bussell, Miss Katherine	Thorneloe School, Rodwell, Weymouth
1912	Butler, Rev. E. T., M.A.	Okeford Fitzpaine Rectory, Shillingstone
1903	Butler-Bowden, Mrs. Bruno	Upwey House, Upwey
1911	Butlin, M. C., Esq., M.A.	7, Westerhall Road, Weymouth
1891	Carter, William, Esq.	The Hermitage, Parkstone
1913	Case, H. Esq., L.R.C.P.	Abbotsbury Vicarage
1905	Chadwyck-Healey, Sir C. E. H., M.A., K.C., K.C.B., F.S.A.	Wyphurst, Cranleigh, Surrey
1903	Champ, A., Esq.	St. Katherine's, Bridport
1897	Chudleigh, Mrs.	Downshay Manor, Langton Matravers, Dorset
1894	Church, Colonel Arthur	St. Alban's, Rodwell, Weymouth
1904	Clapcott, Miss	The Cottage, Bradford Peverell, Dorchester
1892	Clarence, Lovell Burchett, Esq.	Coaxden, Axminster
1905	Clark, Mrs. E. S.	St. Aldhelm's, Wareham
1895	Clarke, R. Stanley, Esq.	Trobridge House, Crediton, Devon
1912	Clift, J. G. Neilson, Esq.	8, Prince's Street, Westminster, S.W.
1883	Colfox, Miss A. L.	Westmead, Bridport
1878	Colfox, T. A., Esq.	Coneygar, Bridport
1905	Collins, Stephen, Esq., M.P.	Harborne, St. Ann's Hill, Wands- worth, S.W.
1904	Collins, Wm. W., Esq., R.I.	Stoborough Croft, Wareham
1905	Colville, H. K., Esq.	Loders Court, Bridport
1904	Coney, Major Wm. Bicknell	Martinstown, Dorchester
1912	Cooke, Rev. J. H., M.A., LL.D.	Shillingstone Rectory
1902	Cornish, Rev. W. F., M.A.	Steepleton Rectory, Dorchester

- 1903 Cornish-Browne, C. J., Esq. (*Hon. Director of the Dorset Photographic Survey*) Came House, Dorchester
- 1891 Cother, Rev. P. L., M.A. 1, Clearmount, Weymouth
- 1886 Crespi, A. J. H., Esq., B.A., M.R.C.P. Cooma, Poole Road, Wimborne
- 1909 Crickmay, Harry W., Esq. Maybury, 12, Greenhill Terrace, Weymouth
- 1884 Cross, Rev. James, M.A. Baillie House, Sturminster Marshall, Wimborne
- 1885 Curme, Decimus, Esq., M.R.C.S. Eversley, Durley Road, Bournemouth
- 1896 Curtis, C. H., Esq. Blandford
- 1897 Curtis, Wilfrid Parkinson, Esq., F.E.S. Aysgarth, Parkstone Road, Poole
- 1903 Dacombe, J. M. J., Esq. 27, Holdenhurst Road, Bournemouth
- 1912 Dammers, B.F.H., Esq. Harbour House, Bridport
- 1907 Daniell, G. H. S., Esq., M.B. Dale House, Blandford
- 1907 Daniell, Miss Margaret Dale House, Blandford
- O.M. Darell, D., Esq., F.G.S., F.L.S., F.Z.S. Hillfield House, Stoke Fleming, Dartmouth, Devon
- 1904 Davies, Rev. Canon S. E., M.A. Wyke Regis Rectory, Weymouth
- 1894 Davis, Geo., Esq. West Lodge, Icen Way, Dorchester
- 1909 Day, Cyril D., Esq., B.A. Glenhurst, Dorchester
- 1904 Deane, Mrs. A. M. Clay Hill House, near Gillingham
- 1910 Devenish, Major J. H. C. Springfield, Weymouth
- 1907 Dicker, Miss Eleanor H. Brook House, Upwey, Dorchester
- 1912 Dickson, Colonel W. D. Southill, Dean Park, Bournemouth
- 1912 Dickson, Mrs. W. D. Southill, Dean Park, Bournemouth
- 1903 Digby, Major H. Montague 11, Park Lane, Piccadilly, W.
- 1911 Dillon-Trenchard, Miss Margaret The Ridge, Durlston Park Road, Swanage
- 1906 Dodd, Frank Wm., Esq., M.Inst.C.E. 17, Adam Street, Brooklyn, U.S.A.
- 1908 Dodington, H. P. Marriott, Esq. Castle Gardens, Wareham
- 1908 Dominy, G. H., Esq., M.R.C.S., L.R.C.P. Milton Abbas, Blandford
- 1912 Dru Drury, G., Esq., M.R.C.S., L.R.C.P. Corfe Castle, Wareham
- 1904 Dugdale, J. B., Esq. Sandford, Wareham
- 1905 Duke, Henry, Esq. Clandon, Dorchester
- 1905 Duke, Mrs. Henry Clandon, Dorchester
- 1907 Duke, Miss M. Constance The Limes, Dorchester
- 1908 Duke, Mrs. E. Barnaby Maen, Dorchester

- 1896 Dundas, Ven. Archdeacon, M.A. Charminster Vicarage, Dorchester
- 1911 Dymond, Miss Evelyn Two Leas, Langton Matravers,
Wareham
- 1910 Eaton, Rev. A. E., M.A., F.E.S. Richmond Villa, Northam, North
Devon
- 1885 Elwes, Captain G. R. (*Vice-
President*) Bossington, Bournemouth
- 1913 Facey, C. S., Esq., M.B. The Elms, Chickerell, near Weymouth
- 1886 Falkner, C. G., Esq., M.A. Ireton Bank, Rusholme, Manchester
- 1884 Farley, Rev. H., M.A. Overbury Road, Parkstone
- 1913 Farrar-Roberts, W., Esq. Plas Lodwig, St. John's Road,
Bournemouth West
- 1903 Farrer, Colonel Philip Binnegar Hall, Wareham
- 1905 Feacey, Jem, Esq. Culliford Road, Dorchester
- 1912 Ferguson, Miss E. N. Elwell Lea, Upwey, Dorchester
- 1912 Ferguson, Miss Constance Elwell Lea, Upwey, Dorchester
- 1904 Ffooks, Mrs. E. Archdall Kingscote, Dorchester
- 1904 Fielding, Thos., Esq., M.D. Milton Abbas, Blandford
- 1892 Filleul, Rev. S. E. V., M.A. All Saints' Rectory, Dorchester
- 1889 Filliter, George Clavell, Esq. St. Martin's House, Wareham
- 1896 Filliter, Rev. W. D., M.A. East Lulworth Vicarage, Wareham
- 1910 Filliter, Mrs. W. D. East Lulworth Vicarage, Wareham
- 1901 Fisher, Mrs. J. F. Vines Close, Wimborne
- 1911 Fisher, Rev. J. Martyn, M.A. St. Paul's Vicarage, Weymouth
- 1890 Fletcher, W. H. B., Esq. Aldwick Manor, Bognor, Sussex
- 1906 Fletcher, Mrs. W. J. Wyrley, Colehill, Wimborne
- 1907 Fletcher, Rev. Canon J. M. J.,
M.A., R.D. The Vicarage, Wimborne Minster
- 1885 Floyer, G. W., Esq., B.A. West Stafford, Dorchester
- 1895 Forbes, Mrs. Culverhayes, Shillingstone, Blandford
- 1897 Forde, Henry, Esq. Luscombe, Parkstone
- 1910 Forder, B. C., Esq. Upper Parkstone
- 1893 Forrester, Hugh Carl, Esq., B.A. St. John's Cottage, Shaftesbury
- 1893 Forrester, Mrs. James Westport, Wareham
- 1910 Fox-Strangways, H. W., Esq. 2, St. Aubyn's Park, Tiverton, Devon
- 1911 Fox, H. E. Croker, Esq., M.B.,
M.R.C.S., L.R.C.P. Chalbury Lodge, Weymouth
- 1910 Freame, Major B. E. The Chantry, Gillingham
- 1895 Fry, Edward Alexander, Esq. 227, Strand, London, W.C.
- 1903 Fry, George S., Esq. Chesham, The Grove, Nether Street,
Finchley, London, N.
- 1898 Fullaway, Mrs. Childe Okeford, Blandford
- o.m. Galpin, G., Esq. Clarendon Court, Clarendon Road,
Bournemouth

- | | | |
|-------------|--|---------------------------------------|
| 1896 | George, Mrs. | Fleet House, near Weymouth |
| 1908 | Gildea, Miss W. P. C. | Upwey Rectory, Dorchester |
| 1890 | Glyn, Captain Carr Stuart | Wood Leaze, Wimborne |
| 1912 | Glyn, Mrs. C. | Wood Leaze, Wimborne |
| O.M. | Glyn, Sir R. G., Bart. | Gaunts House, Wimborne |
| 1895 | Godman, F. du Cane, Esq.,
F.R.S. | Lower Beeding, Horsham |
| 1906 | Gowring, Mrs. B. W. | 49, High West Street, Dorchester |
| 1908 | Greenwood, Arthur, Esq., L.M.S.,
L.S.A. | 32, Dorchester Road, Weymouth |
| 1888 | Greves, Hyla, Esq., M.D. | Rodney House, Bournemouth |
| 1904 | Groves, Herbert J., Esq. | Clifton, Weymouth |
| 1906 | Groves, Miss | Thickthorne, Broadwey, Dorset |
| 1912 | Groves, Miss | Blackdown, Weymouth |
| 1912 | Groves, Miss M. | Blackdown, Weymouth |
| 1906 | Gundry, Joseph, Esq. | Red House, Queen's Avenue, Dorchester |
| 1896 | Haggard, Rev. H. A., M.A. | Molash Vicarage, Canterbury |
| 1912 | Haines, F. H., Esq., M.R.C.S.,
L.R.C.P. | Winfrith, Dorchester |
| 1903 | Hambro, Sir Everard, K.C.V.O. | Milton Abbey, Dorset |
| 1905 | Hambro, C. Eric, Esq. | Pickhurst Mead, Hayes, Kent |
| 1913 | Hamilton, Miss | Affpuddle Vicarage, Dorchester |
| 1911 | Hands, W. G., Esq., H.M.I. | 130, Kedleston Road, Derby |
| 1893 | Hankey, Rev. Canon, M.A.,
R.D. | Maiden Newton Rectory, Dorchester |
| 1910 | Harbin, Rev. E. H. Bates, M.A. | Newton Surmaville, Yeovil |
| 1890 | Harrison, Rev. F. T., M.A. | Burton Bradstock Rectory, Bridport |
| 1898 | Hassell, Miss | Westfield Lodge, Parkstone |
| 1894 | Hawkins, W., Esq., M.R.C.S. | Hillfield, Broadwey, Dorchester |
| 1903 | Hawkins, Miss Isabel | Wyke, Sherborne |
| 1908 | Hawkins, Rev. H. | 1, Westerhall, Weymouth |
| 1893 | Hayne, R., Esq. | Fordington House, Dorchester |
| 1889 | Head, J. Merrick, Esq., M.R.I.A.,
F.R.G.S., F.P.S. | Pennsylvania Castle, Portland |
| 1905 | Heath, F. R., Esq. | The Woodlands, Weymouth |
| 1911 | Hellins, Rev. E. W. J., M.A.,
LL.B. | Marnhull Rectory, Dorset |
| 1911 | Hellins, Mrs. E. W. J. | Marnhull Rectory, Dorset |
| 1899 | Henning, Mrs. | Frome, Dorchester |
| 1913 | Henshaw, R. Stevenson, Esq.,
C.E. (<i>Hon. Editor of the Dorset
Rainfall Reports</i>) | New Road, Portland |
| 1912 | Hichens, Mrs. T. S. | Flamberts, Trent, Sherborne |

1901 Hill, R. E., Esq.	Long Lynch, Childe Okeford
1910 Hill, Miss Pearson	Rax, Bridport
1902 Hine, R., Esq.	Beaminster
1902 Homer, Miss E. C. Wood	Bardolf Manor, Puddletown
1907 Homer, Mrs. G. Wood	Bardolf Manor, Puddletown
1888 Huntley, H. E., Esq.	Charlton House, Blandford
1903 Jenkins, Rev. T. Leonard, M.A.	Leigh Vicarage, Sherborne
1912 Jordan, Miss	The Ridge, Durlston Park Road, Swanage
1893 Kerr, E. W., Esq., M.D.	South Street, Dorchester
1912 Kersley, R., Esq.	The Manor, Upwey, Dorchester
1895 Lafontaine, A. C. de, Esq., F.S.A.	Athelhampton, Dorchester
1902 Langdon, Miss Mary C.	Parrock's Lodge, Chard
1876 Langford, Rev. Canon, M.A.	Southbrook, Starcross, S. Devon
1910 Leach, F. R., Esq.	Upcott, Bournemouth West
1907 Lees, Captain Edgar, R.N.	White Cross, Wyke Regis
1907 Lees, Mrs. Edgar	White Cross, Wyke Regis
1910 Le Fleming, E. K., Esq., B.A., M.B.	St. Margaret's, Wimborne
1900 Legge, Miss Jane	Allington Villa, Bridport
1899 Le Jeune, H., Esq.	St. Ives, Upper Parkstone, Dorset
1900 Leslie, Rev. E. C., M.A.	Came Rectory, Dorchester
1902 Lewis, Rev. A., M.A.	Chardstock Vicarage, Chard
1894 Linklater, Rev. Prebendary, D.D.	Holworth House, Winfrith
1890 Lister, Miss Gulielma, F.L.S.	High Cliff, Lyme Regis
1905 Llewellyn, W., Esq., M.A.	Upton House, Poole
1900 Lock, Mrs. A. H.	53, High West Street, Dorchester
1892 Lock, His Honour Judge B. Fossett,	Ford Hall, Bridlington, Yorkshire
1893 Lock, Miss Mary C.	7, Blackheath Road, Oxford
1911 Long, Rev. H. R., B.A.	Tolpuddle, Dorchester
1910 MacCormick, Rev. F., F.S.A. Scot., M.R.A.S.	Wrockwardine Wood Rectory, Wel- lington, Salop
1888 MacDonald, P. W., Esq., M.D.	Harrison, Dorchester
1902 Mainwaring, Lieut.-Col. F. G. L.	Wabey House, Upwey
1890 Manger, A. T., Esq.	Stock Hill, Gillingham
1907 Mansel, Miss Susan	Top-o'-Town, Dorchester
1899 Mansel-Pleydell, Rev. Canon J. C. M., M.A., R.D. (<i>Vice- President and Hon. Treasurer</i>)	Sturminster Newton Vicarage, Dorset
1896 March, H. Colley, Esq., M.D., F.S.A., M.R.S.A.I., F.A.I. (<i>Vice-President</i>)	Portesham, Dorchester

- 1901 Markham-Lee, W. H., Esq.,
I.S.M. Wyke Regis, Weymouth
- 1883 Marriott, Sir W. Smith, Bart. The Down House, Blandford
- 1904 Marsh, J. L., Esq. White Cliff Mill Street, Blandford
- 1911 Mason, W. J., Esq. St. Denis, Cann, Shaftesbury
- 1911 Mason, Mrs. E. E. St. Denis, Cann, Shaftesbury
- 1907 Mate, C. H., Esq. Elim, Surrey Road South, Bourne-
mouth
- 1879 Maunsell, Rev. F. W., M.A. Symondsbury Rectory, Bridport
- o.m. Mayo, Rev. Canon, M.A., R.D.
(*Vice-President*) Long Burton Vicarage, Sherborne
- 1912 McDowall, A. S., Esq., M.A. Norden, Corfe Castle
- 1907 Michell, Theo., Esq. Trewirgie, 37, Christchurch Road,
Bournemouth
- o.m. Middleton, H. B., Esq., M.A. Bradford Peverell, Dorchester
- 1909 Middleton, Miss A. Bradford Peverell, Dorchester
- 1890 Milne, Rev. Percy H., M.A. Hornblotton Rectory, Castle Cary
- o.m. Moorhead, J., Esq., M.A.,
M.D. The Imperial Hotel, Bournemouth
- 1905 Morgan, Mrs. The Vicarage, Yetminster
- 1911 Morris, Sir Daniel, K.C.M.G.,
D.Sc., D.C.L., F.L.S. 14, Crabton Close, Boscombe
- 1897 Moullin, Arthur D., Esq. Fermain, Cranbourne Road, Swanage
- 1908 Nettleton, Spencer, Esq. West Lulworth, Wareham
- 1909 Newnham, H. S., Esq. Rodlands, Dorchester
- 1905 Nicholson, Captain Hugh Nettlecombe, Melplash
- 1906 Oke, A. W., Esq., B.A., LL.M.,
F.S.A., F.G.S. 32, Denmark Villas, Hove, Sussex
- 1886 Okeden, Colonel U. E. Parry Turnworth, Blandford
- 1906 Okeden, Edmund Parry, Esq. Turnworth, Blandford
- 1908 Oliver, Vere L., Esq. Greenhill House, Weymouth
- 1903 Oliver, Mrs. Vere L. Greenhill House, Weymouth
- 1904 Oliver, Weston, Esq., M.A. Castle House, Weymouth
- 1903 Ord, W. T., Esq., M.R.C.S.,
L.R.C.P., F.G.S. Greenstead, 14, Madeira Road, Bourne-
mouth
- 1911 Oules, W. W., Esq., R.A. 12, Bryanston Square, London, W.
- 1911 Oules, Miss Catherine 12, Bryanston Square, London, W.
- 1905 Paget, Miss Adelaide Park Homer, Wimborne
- 1890 Patey, Miss Holmlea, Lincoln
- 1908 Patterson, Mrs. Myles Conygar, Broadmayne, Dorchester
- 1907 Paul, Edward Clifford, Esq.,
M.A. Eastbrook House, Upwey
- 1907 Paul, Mrs. Edward Clifford Eastbrook House, Upwey

- | | | |
|-------------|--|---|
| 1894 | Payne, Miss Florence O. | Rydal, Wimborne |
| 1906 | Pearce, Mrs. Thos. A. | Ivythorpe, Dorchester |
| 1909 | Pearce, Edwin, Esq. | Fore Street, Taunton |
| 1901 | Peck, Gerald R., Esq. | Muston Manor, Puddletown |
| 1878 | Penny, Rev. J., M.A. | Tarrant Rushton Rectory, Blandford |
| 1894 | Penny-Snook, S., Esq., M.R.C.S.,
L.R.C.P. | Netherton House, Weymouth |
| 1907 | Penny-Snook, Mrs. S. | Netherton House, Weymouth |
| 1901 | Pentin, Rev. Herbert, M.A. (<i>Vice-
President and Hon. Secretary</i>) | Milton Abbey Vicarage, Blandford |
| 1894 | Peto, Sir Henry, Bart. | Chedington Court, Misterton, Somerset |
| 1896 | Phillips, Miss | Walton House, Bournemouth |
| 1908 | Phillips, Rev. C. A., M.A. | Walton House, Bournemouth |
| 1898 | Pickard-Cambridge, A. W., Esq.,
M.A. | St. Catherine's, Headington Hill, Ox-
ford |
| O.M. | Pickard - Cambridge, Rev. O.,
M.A., F.R.S. (<i>Vice-President</i>) | Bloxworth Rectory, Wareham |
| 1908 | Pickard-Cambridge, Miss Ada | Picardy, Rodwell, Weymouth |
| 1908 | Pickard-Cambridge, Miss
Catherine | Picardy, Rodwell, Weymouth |
| 1903 | Pike, Leonard G., Esq. | Kingbarrow, Wareham |
| 1913 | Pinney, Rev. Baldwin, B.A. | Durweston Rectory, Blandford |
| 1913 | Pinney, Mrs. Baldwin | Durweston Rectory, Blandford |
| 1903 | Pitt-Rivers, A. L. Fox, Esq.,
F.S.A. | Rushmore, Salisbury |
| 1904 | Plowman, Rev. L. S. | Ibberton Rectory, Blandford |
| 1896 | Pond, S., Esq. | Blandford |
| 1894 | Ponting, Chas. E., Esq., F.S.A. | Wye House, Marlborough |
| 1908 | Poole, Rev. Sealy, M.A. | Chickerell Rectory, Weymouth |
| O.M. | Pope, Alfred, Esq., F.S.A. (<i>Vice-
President</i>) | South Court, Dorchester |
| 1906 | Pope, Alfred Rolph, Esq., M.A. | Culliford House, Dorchester |
| 1906 | Pope, Mrs. Alfred Rolph | Culliford House, Dorchester |
| 1905 | Pope, Miss Hilda | South Court, Dorchester |
| 1909 | Pope, Francis J., Esq.,
F.R. Hist. S. | 17, Holland Road, London, W. |
| 1909 | Pratt, Colonel, R.A. | The Ferns, Charminster |
| 1896 | Prideaux, C. S., Esq., L.D.S. | Ermington, Dorchester |
| 1900 | Prideaux, W. de C., Esq., L.D.S.,
F.R.S.M. | 12, Frederick Place, Weymouth |
| 1905 | Pringle, Henry T., Esq., M.D. | Ferndown, Wimborne |
| 1905 | Pringle, Mrs. Henry T. | Ferndown, Wimborne |
| 1888 | Pye, William, Esq. | Dunmore, Rodwell, Weymouth |

- 905 Ramsden, Mrs. Great Bidlake, Bridestow, N. Devon
- 1912 Rawlence, E. A., Esq. Newlands, Salisbury
- 1905 Raymond, H. F., Esq. Garryowen, Dorchester
- 1906 Raymond, Mrs. H. F. Garryowen, Dorchester
- 1886 Reynolds, Mrs. Arthur Wyndcroft, Bridport
- 1904 Rhydderch, Rev. W. Owermoigne Rectory, Dorchester
- 1887 Richardson, N. M., Esq., B.A.
(*President*) Montevideo, Chickereil, near Weymouth
- 1901 Ridley, Rev. J. The Rectory, Pulham, Dorchester
- 1911 Robson, Colonel H. D. St. Oswald, West Lulworth
- 1911 Robson, Mrs. H. D. St. Oswald, West Lulworth
- 1886 Rodd, Edward Stanhope, Esq. Chardstock House, Chard
- 1907 Roe, Miss M. M. E. Trent Rectory, Sherborne
- 1909 Roe, Rev. Wilfrid T., M.A. Trent Rectory, Sherborne
- 1912 Romilly, Geo., Esq., M.A. The Grange, Marnhull
- 1907 Roper, Freeman, Esq., F.L.S. Forde Abbey, Chard
- 1889 Russell, Colonel C. J., R.E. Clavinia, Weymouth
- 1910 Russell-Wright, Rev. T., M.A. Mountside, Westbourne Park Road, Bournemouth
- 1905 Sanderson-Wells, T. H., Esq., M.D. 16, Victoria Terrace, Weymouth
- 1913 Sauer, Hans, Esq., M.D. Parnham, Beaminster
- 1913 Sauer, Mrs. Hans Parnham, Beaminster
- 1905 Saunt, Miss The Cottage, Upwey
- 1905 Saunt, Miss B. V. The Cottage, Upwey
- 1889 Schuster, Rev. W. Percy, M.A. The Vicarage, West Lulworth, Wareham
- 1910 Schuster, Mrs. W. P. The Vicarage, West Lulworth, Wareham
- 1907 Scott, J. H., Esq., M.E. Skiddaw, Talbot Hill, Bournemouth
- 1904 Seaman, Rev. C. E., M.A. Stalbridge Rectory, Blandford
- 1883 Searle, Alan, Esq. Ashton Lodge, Bassett, Southampton
- 1906 Shephard, Colonel C. S., D.S.O. Shortlake, Osmington, Weymouth
- 1896 Shephard, Thomas, Esq., F.R.M.S. Kingsley, Bournemouth West
- 1906 Shepherd, Rev. F. J. The Presbytery, Dorchester
- 1903 Sheridan, Mrs. A. T. Brinsley Frampton Court, Dorchester
- 1884 Sherren, J. A., Esq., F.R. Hist. S. Helmsley, Penn Hill Avenue, Parkstone
- 1911 Shield, William, Esq. Lindisfarne, Dorchester Road, Weymouth
- 1908 Shortt, Miss E. F. The Manor House, Martinstown
- 1908 Shortt, Miss L. M. The Manor House, Martinstown

- | | |
|--|---|
| 1897 Simpson, Jas., Esq. | Minterne Grange, Parkstone |
| 1895 Simpson, Miss | Penolver, Glendinning Avenue, Weymouth |
| 1912 Smith, Rev. A. Hippisley | Knowlton House, Surrey Road, Bournemouth |
| 1899 Smith, Howard Lyon, Esq.,
L.R.C.P. | St. Mary's Rectory, Glanville's Wootton |
| 1909 Smith, Nowell C., Esq., M.A. | School House, Sherborne |
| 1908 Smith, Mrs. Spencer | Kingston Vicarage, Wareham |
| 1888 Solly, Rev. H. Shaen, M.A. | Southcote, Alexandra Road, Parkstone |
| 1901 Sotheby, Rev. W. E. H., M.A.,
R.D. | Gillingham Vicarage, Dorset |
| 1905 Stephens, J. Thompson, Esq. | Wanderwell, Bridport |
| 1908 Stephens, A. N., Esq. | Haddon House, West Bay, Bridport |
| 1900 Storer, Colonel, late R.E. | Keavil, Bournemouth |
| 1895 Sturdy, Leonard, Esq. | Trigon, Wareham |
| 1896 Sturdy, Philip, Esq. | The Wick, Branksome, near Bournemouth |
| 1907 Sturdy, Alan, Esq. | The Wick, Branksome, near Bournemouth |
| 1905 Sturdy, E. T., Esq. | Norburton, Burton Bradstock, Bridport |
| 1898 Sturt, W. Neville, Esq. | Baytree Farm, Great Horkesley, Colchester |
| 1898 Suttill, H. S., Esq. | Pymore, Bridport |
| 1905 Suttill, John, Esq. | 24, West Street, Bridport |
| 1912 Swinburne-Hanham, J. C., Esq. | Manston, Sturminster Newton |
| 1893 Sykes, E. R., Esq., B.A., F.Z.S.
(<i>Vice-President</i>) | Longthorns, Blandford |
| 1889 Symes, G. P., Esq., M.A., B.C.L.,
M.V.O. | Monksdene, Dorchester Road, Weymouth |
| 1904 Symonds, Arthur G., Esq. | 10, South Street, Dorchester |
| 1904 Symonds, Henry, Esq., F.S.A.
(<i>Vice-President and</i>
<i>Hon. Editor</i>) | 30, Bolton Gardens, London, S.W. |
| 1912 Symonds, F. G., Esq. | The Firs, Sturminster Newton |
| 1901 Telfordsmith, Telford, Esq.,
M.A., M.D. | The Knoll, Parkstone |
| O.M. Thompson, Rev. G., M.A. | Highbury, Bodorgan Road, Bournemouth |
| 1906 Thomson, Chas. Bertram, Esq.,
F.R.C.S. | Romansleigh, Wimborne |

- 1907 Towers, Miss
Whicham, Porchester Road, Bourne-
mouth
- 1898 Troyte-Bullock, Mrs.
Silton Lodge, Zeals, Bath
- 1905 Truell, Mrs.
Onslow, Wimborne
- O.M. Udal, His Honour Judge, F.S.A.
(Vice-President)
The Manor House, Symondsburys,
Bridport
- 1908 Udal, N. R., Esq., B.A.
Gordon College, Khartoum
- 1897 Usher, Rev. R., M.A., F.L.S.
Netherbury, Beaminster
- 1890 Usherwood, Rev. Canon T. E.,
M.A.
Bagdale, Parkstone
- 1910 Vivian, S. P., Esq.
Inland Revenue Office, Somerset
House, London
- 1907 Waite, Arthur H., Esq.
Upwey Place, Upwey
- 1887 Walker, Rev. S. A., M.A.
Charlton Manor, Blandford
- 1905 Ward, Samuel, Esq.
Ingleton, Greenhill, Weymouth
- O.M. Warre, Rev. Canon F., M.A.
Bemerton, Salisbury
- 1904 Warry, Mrs. King
39, Filey Avenue, Upper Clapton,
London, N.
- 1904 Warry, Wm., Esq.
Westrow, Holwell, Sherborne
- 1905 Watkins, Wm., Esq., F.R.G.S.
62, London Wall, E.C.
- 1905 Watts, Miss
Bemerton, Salisbury
- 1893 Weaver, Rev. F. W., M.A.,
F.S.A., F.R.Hist.S.
Milton Vicarage, Evercreech, Somerset
- 1910 Webb, Miss
Luscombe, Parkstone
- 1913 West, C. E., Esq.
Swanage
- 1895 Whitby, Joseph, Esq.
Preston, Yeovil
- 1908 Whitby, Mrs. J.
Preston, Yeovil
- 1904 Wildman, W. B., Esq., M.A.
The Abbey House, Sherborne
- 1892 Williams, E. W., Esq., B.A.
Herringston, Dorchester
- 1903 Williams, Captain Berkeley C. W.
Herringston, Dorchester
- 1897 Williams, Miss F. L.
Westleaze, Dorchester
- 1884 Williams, Colonel Robert, M.P.
Bridehead, Dorchester
- 1884 Williams, Mrs. Robert
Bridehead, Dorchester
- 1908 Williams, Miss Rhoda
Bridehead, Dorchester
- 1906 Williams, Miss Meta
South Walk, Dorchester
- 1912 Williams, Mrs. Arthur S.
Hill House, Yetminster
- 1905 Wills, A. W., Esq., B.A., LL.B.
3, Hyde Park Gate, London, S.W.
- 1910 Wingate, Rev. P. B., M.A.
Tarrant Keynston Rectory, Blandford
- 1906 Winwood, T. H. R., Esq., M.A.
Rothsay, Dorchester
- 1910 Woodd, A. B., Esq., M.A., M.R.I.
Heckfield, Milford-on-Sea, Hants
- 1898 Woodhouse, Miss
Chilmore, Ansty, Dorchester
- 1903 Woodhouse, Miss Ellen E.
Chilmore, Ansty, Dorchester
- 1906 Woodhouse, Frank D., Esq.
Old Ford House, Blandford St. Mary
- 1906 Woodhouse, Mrs. Frank D.
Old Ford House, Blandford St. Mary

1911	Woodhouse, Miss A. M. R.	Norden, Blandford
1902	Wright, Rev. Herbert L., B.A.	Church Knowle Rectory, Corfe Castle
1904	Yates, Robert, Esq.	Delcombe, Milton Abbas, Blandford
1910	Yeatman, H. F., Esq., M.A., B.C.L.	28, Cecil Court, Hollywood Road, London, S.W.
1893	Young, E. W., Esq.	Dorchester

AFFILIATED LIBRARY (Rule XXI.).

1911	Central Public Library	Bournemouth
------	------------------------	-------------

The above list includes the New Members elected up to and including the
May meeting of the year 1913.

(Any omissions or errors should be notified to the Hon. Secretary.)



New Members

ELECTED SINCE THE PUBLICATION OF THE LIST CONTAINED
IN VOL. XXXIII.

PROPOSED SEPT. 24TH, 1912.

<i>Nominee.</i>	<i>Proposer.</i>	<i>Seconder.</i>
Miss Groves, of Blackdown, Weymouth	Alfred Pope, Esq.	The Hon. Secretary
Miss M. Groves, of Blackdown, Weymouth	,,	,,
A. S. McDowall, Esq., M.A., of Norden, Corfe Castle	Miss E. Simpson	W. W. Collins, Esq.

PROPOSED DEC. 10TH, 1912.

<i>Nominee.</i>	<i>Proposer.</i>	<i>Seconder.</i>
C. S. Facey, Esq., M.B., of The Elms, Chickereil, near Wey- mouth	The President	The Rev. Sealy Poole
The Rev. Baldwin Pinney, B.A., of Durweston Rectory, Bland- ford	The Rev. Dr. J. H. Cooke	The Hon. Secretary
Mrs. Pinney, of Durweston Rectory	,,	,,

PROPOSED JAN. 28TH, 1913.

<i>Nominee.</i>	<i>Proposer.</i>	<i>Seconder.</i>
Henry Case, Esq., L.R.C.P., of The Vicarage, Abbotsbury	Dr. H. Colley March	Dr. W. Hawkins
W. Farrar-Roberts, Esq., of Plas Lodwig, St. John's Road, Bournemouth West	Dr. T. Telfordsmith	F. R. Leach, Esq.
Miss Hamilton, of Affpuddle Vicarage, Dorchester	The Rev. H. R. Long	The Hon. Secretary
R. Stevenson Henshaw, Esq., C.E. (Hon. Editor of the Dorset Rainfall Reports), of New Road, Portland	Lt.-Col. F. G. L. Mainwaring	H. Stilwell, Esq.
Hans Sauer, Esq., M.D., of Parnham, Beaminster, Dorset	Judge J. S. Udal	Alfred Pope, Esq.
Mrs. Hans Sauer, of Parnham	,,	,,
Charles Eliot West, Esq., of Cluny Croft, Swanage	G. T. Atkinson, Esq.	A. D. Moullin, Esq.

PUBLICATIONS.

Proceedings of the Dorset Natural History and Antiquarian Field Club. Vols. I.—XXXIV. Price 10s. 6d. each volume, post free.

General Index to the Proceedings. Vols. I.—XXVI. Price 6d., by post 7d.

The Church Bells of Dorset. By the Rev. Canon RAVEN, D.D., F.S.A. Price (in parts, as issued), 6s. 6d., post free.

By the late J. C. MANSEL-PLEYDELL, B.A., F.G.S., F.L.S.

The Flora of Dorset. 2nd Edition. Price 12s.

The Birds of Dorset. Price 5s.

The Mollusca of Dorset. Price 5s.

By the Rev. O. PICKARD-CAMBRIDGE, M.A., F.R.S., F.Z.S.

Spiders of Dorset. 2 vols. Price 25s., post free.

The British Phalangidea, or Harvest Men. Price 5s., post free.

British Chernetidea, or False Scorpions. Price 3s., post free.

The Volumes of Proceedings can be obtained from the Hon. Treasurer (the Rev. Canon Mansel-Pleydell, Sturminster Newton); the Church Bells of Dorset, from the Rev. W. Miles Barnes, Dorchester; Mr. Mansel-Pleydell's works, from the Curator of the Dorset County Museum, Dorchester; the Rev. O. Pickard-Cambridge's works, from the Author, Bloxworth Rectory, Wareham; and the General Index, from the Assistant-Secretary (Mr. H. Pouncey, *Dorset County Chronicle* Office, Dorchester).

SOCIETIES & INSTITUTIONS IN CORRESPONDENCE WITH THE FIELD CLUB.

Bodleian Library, Oxford.

British Museum, London.

British Museum of Natural History, South Kensington, London.

British Association, Burlington House, London.

Cambridge Philosophical Society, Cambridge.

Devonshire Association for the Advancement of Science.

Geological Society of London, London.

Hampshire Field Club, Southampton.

Royal Society of Antiquaries, Dublin, Ireland.

Society of Antiquaries, London.

Somerset Archæological and Natural History Society, Taunton.

University Library, Cambridge.

Wiltshire Archæological and Natural History Society, Devizes.

The Proceedings

OF THE

Dorset Natural History and Antiquarian Field Club.

(FROM MAY, 1912, TO MAY, 1913.)

FIRST SUMMER MEETING.

BEAULIEU ABBEY.

Tuesday, 18th June.

In the unavoidable absence of the President, his place was filled by Captain G. R. Elwes, who was accompanied by the Hon. Secretary, the Hon. Treasurer, the Hon. Editor, and about seventy members and visitors.

The party assembled at Brockenhurst Station, after an interval of sixteen years since the last visit of the Field Club to that neighbourhood. The first objective was St. Leonard's Abbey, where the Rev. H. Pentin read a letter from Mr. Fisher-Rowe, in which the writer regretted his absence at Bath.

Captain ELWES observed that St. Leonard's was one of the series of granges which belonged to Beaulieu, and although locally known as "St. Leonard's Abbey," was never really an Abbey. The Abbey grant extended a mile and a quarter, and conveyed a right of sanctuary, which benefited not only those who took sanctuary, but also those who gave it, since those taking sanctuary became labour tenants of the Abbey. At the Dissolution there were in the Abbey domain 32 men, with their wives and families, and it was a matter of regret that these men had to be turned out. They were there under sentence for various crimes, and it seemed curious that any communal body like the monks of Beaulieu should have had the power to retain these criminals, and to screen them from justice.

The Rev. C. W. H. DICKER added a few observations upon the architectural features of the chapel, the details of which were much admired. The date was about 1350, and the geometrical tracery of the west window was entirely characteristic of the 14th century, especially in the great development of those chapelries belonging to the monastic houses.

BUCKLER'S HARD.

A note of the days of Nelson was struck in the appearance of Buckler's Hard, on the Beaulieu River, whither the party next drove. Here they saw the launching slips from which were launched the wooden men o' war, among them four vessels that fought at Trafalgar.

Captain ELWES invited the Members to realise the time when Buckler's Hard was one of the busiest places along the south-coast, particularly convenient for ship-building, since the oak timber grown in the Forest was close at hand, and the place, up that winding creek, was well out of the way of hostile privateers.

BEAULIEU ABBEY.

According to a manuscript in the Cotton Library, "in the sixth year of King John, the king built a certain monastery of the Cistercian Order in England and called it *Bellus Locus*."

Captain ELWES gave a short account of the rise and history of the Cistercian Order, observing that Stephen Harding, formerly a monk of Sherborne, might be correctly described rather as the lawgiver of the order than as its actual founder at Cîteaux. Beaulieu was a perfect example of a Cistercian Abbey; and they might imagine what wealth and power the abbey enjoyed by the enormous area covered by the church, which was originally larger than any of the cathedrals of the kingdom, but of which, alas! not a single stone was left. The flagged way outside the penthouse of the cloister gave admission to the various shops that occupied the cloister at the time when the abbey was in full activity—one that of the wood carver, another that of the painter, yet another the school, marked by that series of steps similar to those they might remember to have seen in Winchester College. In fine weather the various occupations necessary to the abbey were carried on in these cloisters. The monks had their own port for sea-borne goods—on the other side of the river, and their market for inland goods—up in a field still called Cheapside.

The party were here joined by Mr. J. W. Nash-Brown (in charge of Lord Montagu's estate office), who acted as guide, and conducted them over the buildings. After traversing the whole length of the bare site of the great abbey, the party entered the parish church, where the guide indicated the changes which had been made to adapt the refectory

to its present sacred purpose. In the refectory on the ground floor have been gathered together many of the relics found in the abbey, including a canopied niche formerly placed over the arch of the gate-house, the grave slab of Eleana, daughter of Edward I., and a collection of the tiles, inlaid and encaustic, formerly covering the floor of the abbey. A large number of the tiles, as Mr. Nash-Brown mentioned, are still in place, but covered by two or three feet of earth.

By permission of Lord Montagu, the party were allowed to go over his beautiful residence, a portion of which was formerly the Abbot's house.

On leaving the house Captain ELWES, on behalf of the Club, expressed their appreciation of Lord Montagu's kindness, and thanked Mr. Morgan and Mr. Nash-Brown for their good offices.

A pleasant drive back to Brockenhurst was followed by tea at the Morant Arms.

BUSINESS MEETING.

Afterwards a short business meeting was held, at which four new Members were elected.

The HON. SEC. announced six new nominations for membership.

Sir Daniel Morris, of Bournemouth, was appointed as the club's delegate to attend the meeting of the British Association at Dundee.

The meeting proceeded to consider the proposal of Captain Acland that the volume of *Proceedings* should in future be brought out, not at the end of the year, but immediately after the annual meeting in May. As this proposed change would involve the publication of an *interim* volume to adjust matters, it might be necessary to meet the extra expense by drawing upon the reserve fund of the Club.

On the motion of the Rev. C. W. H. DICKER, seconded by the Rev. T. RUSSELL WRIGHT, the proposal, after full discussion, was carried *nem. con.*



SECOND SUMMER MEETING.

MARLBOROUGH.

Tuesday and Wednesday, 23rd and 24th July.

On this occasion about sixty Members and visitors accompanied the President on a very successful pilgrimage extending over two days.

Shortly after assembling at the Ailesbury Arms on the Tuesday the party visited St. Peter's Church, at the further end of the wide High Street.

Mr. E. DORAN WEBB, F.S.A., of whose services as guide the club again had the advantage, said a few words in the church about the history of the town, and of the *tumulus* known as the Castle Mound. He also touched upon the incidents connected with St. Peter's in early times, remarking that Cardinal Wolsey was ordained in the Chancel in 1494.

THE SCHOOL.

From the church Mr. Doran Webb, by leave of the Headmaster, led the party over the School, which was founded in 1843, with the charming old Castle Inn as the nucleus of the modern buildings which have been erected round it.

AVEBURY CHURCH,

a place of exceptional interest, was next visited. As Mr. Doran Webb pointed out, the church was subjected to severe mutilation in the 18th Century, when the early Norman arches were replaced by the present modern work. Attention was called to the three small circular windows in the wall of the north arcade, windows which Mr. Charles E. Ponting, F.S.A., regarded as being Saxon. But the great rarity of the church is the font. The upper part, with its quaint interweaving symbolical design, is of quite a different date from the lower part, adorned with Norman arcading formed of intersecting arches. The most noticeable object of the upper and the much older half is a priestly figure wearing a kind of quilted frock, its face quite disfigured by the driving in of a staple, and holding in the right hand a crozier-like staff. Mr. Doran Webb said he knew of no font with so distinctive and strong a Scandinavian feeling in the design and adornment, and Dr. COLLEY MARCH, F.S.A., agreed with him that the upper part was Scandinavian.

Mr. H. ST. GEORGE GRAY, assistant secretary of the Somerset Archaeological Society, and the director of the excavations at Avebury,

had come with the party as guide in this unique village, which has sprung up within the stone circle of the prehistoric temple. On the club leaving the church he led them to see the manor house of the 16th Century, built by one Dunch in 1556, and told the family history connected with it.

THE TEMPLE OF AVEBURY.

THE EXCAVATIONS.

Tea at the Red Lion was a welcome refreshment. Afterwards the party set out to walk round the earthwork. Mr. Gray led them along the huge vallum to a convenient spot overlooking the section of the fosse in which the excavations were carried out from 1908 onwards.

Mr. GRAY delivered a concise address, giving first a general description of Avebury, and then detailing the course of the excavations. The circumference of the place, he said was about 4,400 feet, roughly three-quarters of a mile, and its diameter from north to south 1,400 feet—four times that of Stonehenge. The stones, while none of them were quite so large as at Stonehenge, differed also in being rough un-tooled sarsens, whereas at Stonehenge all the stones were dressed, and other hard stones were to be found besides sarsens. That great embankment, of a vertical height of 31 feet, enclosed an area of 28 acres and a half. They would notice a rather unusual thing—that the fosse was inside the vallum instead of outside. Next, lying just inside the foss, were the remaining stones of the great outer circle, which enclosed two other circles of stones, the northern and the southern. He pointed to five stones (two still upright and three prone) forming an arc of the southern inner circle, in the centre of which, in Stukeley's time, was one large monolith. In the centre of the corresponding northern inner circle was the so-called "Cove," formed of three stones, of which two were still standing, roughly at right angles, one of the stones being 20 feet high, the tallest of those remaining. Although Lord Avebury, the owner of the part of the work in which the excavations had as yet been carried out, held the opinion that the whole place was one vast cemetery, yet he himself could not admit that it was ever used for sepulchral purposes, since, as far as he knew, no interment had been found there. What, then, was the purpose of the place? Nobody knew. It could not have been for defence, for in that case the fosse would have been outside the vallum instead of inside. He had heard suggestions that it might have been a temple in connection with the observation of the sun, moon, and stars, which seemed probable. There was originally a long avenue of stones approaching Avebury from the south, and by the turnpike cottage they saw the last stone. Of this Kennet-avenue only 19 stones remained; but a hundred years ago Lord Winchilsea counted no less

than 78, and at one time there were 200. As to the so-called Beckhampton-avenue, coming from the West, to his mind it was doubtful whether an avenue ever existed in the direction of Beckhampton; but, if so, all that remained now were two large stones, in a field nearly a mile away, called Adam and Eve, Longstone Cove, or the Devil's Points. On December 2nd last "Eve" fell. Effort was being made to set the stone up again; but already they had broken several steel ropes in the attempt. Mr. Cunningham, of Devizes, had been digging out the hole to find the socket in the solid chalk, and in doing so had discovered a human skeleton and a beaker, or drinking vessel, datable to the Bronze Age.

Dr. COLLEY MARCH said that, as the interment was close to the stone and shallow, it must have been placed there after the stone was raised. Had it been put there before the stone was raised it would have been ground to pieces. He suggested that the interment was made at that spot because it was sacred, and people wished to bury their dead in or near some sacred place. As to date, the avenue was there before the early Bronze Age.

(Also, *cf. Proceedings*, Vol. XXX., p. lxiv.)

SILBURY.

From Avebury the Club drove back to Marlborough *via* "Adam and Eve" and Silbury Hill, which has the distinction of being the highest artificial mound in Britain.

Mr. GRAY gave all the information known about the tumulus. It is 125 feet high from the surface of the ground; the diameter of the base is 555 feet, and at the top 105 feet. The material was believed to have been obtained from all round the base of the hill. In hollows which he pointed out there are five feet of alluvial deposit, showing that originally the hollows were very much larger; and in that deposit had been found flint implements of the Neolithic period. The depression in the centre of the summit marked the position of the vertical shaft which was sunk in 1777, and although it reached the very bottom of the hill, nothing was found. In 1840 the Royal Archaeological Institute followed suit by doing the complementary work of tunneling the hill from the Bath-road side to the centre; and in doing so they met the shaft. Again nothing was found except two fragments of red deer antlers. There is, therefore, no proof that Silbury was sepulchral.

EVENING PROCEEDINGS.

On regaining Marlborough the Club visited the church of St. Mary, which was shown them by the Vicar (the Rev. A. E. G. Peters). It is an interesting if unlovely example of a church built in the Commonwealth period. The old church having been almost entirely burnt

down in the great fire of 1653, Cromwell sent briefs through the country asking for contributions towards the succour of the poor burghers of Marlborough, who thus were enabled to rebuild their church in the same year. The best feature of the church is the Norman archway of two orders in the western tower, which happily survived the fire.

The Club dined at the Ailesbury Arms, the President (Mr. Richardson) being supported by a large company.

Afterwards six new Members were elected by ballot, and the Hon. SECRETARY announced three new nominations.

The party then adjourned to the Court Room at the Town Hall, where Mr. ST. GEORGE GRAY followed up the visit to Avebury that day by giving a lecture on the place and the excavations, illustrated by a series of lantern slides, made from photographs taken by himself. Speaking with cautious reserve, in answer to the question so repeatedly put as to the date of the place, Mr. Gray observed that, so far, the evidence adduced pointed to it being either of the early Bronze Age or the late Neolithic, and, if so, of greater antiquity than the better known and more spectacular Stonehenge.

SECOND DAY.

Wednesday.

KNOWLE CHAPEL AND GRAVEL PITS.

The parish of Great Bedwyn contains this desecrated chapel, 19ft. 6in. by 12ft. 9in., the chief feature of which is the 14th Century windows, now bricked up. It was, said Mr. DORAN WEBB, one of a series of domestic chapels in that neighbourhood.

Dr. COLLEY MARCH then described many points of interest in connection with the gravel pit adjoining Knowle House, a spot often visited by those in search of flint implements.

FROXFIELD ALMSHOUSES.

Shortly afterwards the party were standing inside a large quadrangle of two-storeyed tenements in the mellowed brickwork of the 17th Century. In the centre of the sward rose an early 19th century chapel, an architectural anachronism. This quadrangle forms the Froxfield Almshouses, as they are now generally called, or the Somerset Hospital, founded and endowed for the benefit of 50 widows (20 of the clergy and 30 of laymen) by Sarah, Dowager Duchess of Somerset, in 1694.

Mr. DORAN WEBB pointed out the oldest tenements, late Caroline or James II., the gatehouse and the chapel being built in what is known as the "Batty Langley" style.

The Duchess of Somerset also founded a system of apprenticeship available for youths in the counties of Wilts, Dorset, Somerset, and

Devon. As for the almshouses, it was hard to conceive a better laid out block of buildings.

LITTLECOTE HALL.

A short drive brought the party to Littlecote Hall, possessing the distinction of being the finest 16th Century house in the whole land, with the possible exception of Haddon Hall. It was by the courtesy of the present occupant of this historic place, Mr. Leopold Hirsch, that the club visited it.

Mr. DORAN WEBB traced the history of Littlecote from the 13th century, when the owner was Roger de Calston, whose son of the same name succeeded to the property, and in 1341 applied to the Bishop of Salisbury for a licence to hear mass in his oratory at Littlecote. By the marriage of the granddaughter and heiress of John de Calston with William Darell, younger son of Sir William Darell, of Yorkshire, the property passed into the hands of that family, who held it until 1589, when, on the death of William Darell, it went to his cousin, John Popham, afterwards, from 1592 to 1607, Chief Justice of the Court of Queen's Bench. The present house was built by the father of the last William Darell, replacing an older structure.

Mr. Webb then accompanied the party in their tour through the rooms, pointing out the objects of interest and commenting on the many traditions associated with the building.

On quitting the house the club enjoyed a ramble through the gardens. Before leaving, the PRESIDENT, in the name of the Club, expressed their thanks to Mr. Hirsch for his kindness in receiving them.

RAMSBURY.

After luncheon at the Bell Inn, Ramsbury, the Club, under the guidance of Mr. Doran Webb, visited the Church of the Holy Cross, built practically on the site of the ancient cathedral of Ramsbury—the only West Saxon cathedral, founded at the beginning of the tenth century. There they saw a problem in architecture worked out, for the church was originally cruciform, but later, probably in the 14th Century, the walls of the aisles were taken down and re-erected flush with those of the transepts, by which means the transepts were absorbed into the aisles, and what the church lost in dignity it gained in size. The most interesting thing in the church is a section of the upright shaft of a preaching cross with carving of Scandinavian type, erected probably in 908, when the first Bishop of Salisbury was consecrated to minister to the spiritual needs of the still half savage West Saxons.

Mr. Doran Webb and Mr. St. George Gray were heartily thanked for their valuable services as guides, and the party then drove back to Marlborough and took train for Dorset.

THE INTENDED MEETING IN THE CERNE VALLEY.

On Tuesday, 27th August.

When the Field Club assembled at the S.W.R. Station, Dorchester, to carry out the programme which had been arranged, many of the Members heard for the first time of the fatal accident which had befallen the Rev. C. W. H. Dicker on the previous day.

Mr. NELSON M. RICHARDSON, in announcing the sad occurrence, paid an appreciative tribute to the memory of their Hon. Editor, and proposed that a message of condolence should be sent by the Club to Mr. Dicker's son and sisters. This resolution was seconded by the Rev. Herbert Pentin, and carried.

It was also unanimously decided to adjourn the meeting for one month, and the Members then dispersed.



THIRD SUMMER MEETING.

THE UPPER YEO VALLEY.

Wednesday, 11th September.

The Members and their guests, who met at Pen Mill Railway Station, numbered about eighty, including the three Members of the Executive and four Vice-Presidents.

TRENT CHURCH.

The party drove first to Trent Church, where they were received by the Rector, the Rev. T. G. Wilton, who described the chief features of interest. Among these were the oak screen of the 15th Century, the carved bench-ends of a century later, the chantry chapel built in memory of John French, a parishioner, who was Master of the Rolls under Henry VI., and three pre-Reformation bells. The Register contains a reference to the battle of Babylon Hill in 1642.

The Rev. E. H. BATES HARBIN then contributed some notes on John Coker, the supposed author of the "Survey of Dorset," and showed that the history was in fact written by Thomas Gerard, a resident of Trent. After the exterior of the church and the spire had been inspected, Mr. ALFRED POPE drew attention to the mutilated shaft of a cross, standing upon a circular calvary of 12 feet in diameter, and mentioned a tradition that the cross had been moved from the village into the churchyard.

The RECTOR next pointed out the chantry priest's house, a beautiful little dwelling with 15th century windows, and the larger "Church House," said to have been once a refectory, but for the last 300 years the home of successive churchwardens.

Trent Manor House was then visited under the guidance of Mr. E. A. RAWLENCE, who related to the Members the stirring incidents of the year 1651, when Charles II. took refuge with Colonel Wyndham after the battle of Worcester. Mr. Rawlence led the way to the King's chamber and the actual hiding place beneath the floor, which latter had been recently discovered during the structural alterations then in progress.

WYKE GRANGE.

A pleasant drive brought the party to the moated farmhouse which is said, probably with truth, to have been used by the Abbots of Sherborne as their summer quarters. The manor was afterwards held by the family of Horsey for a long period, and some documents relating

to these lands can be found in the Fry collection at the museum in Dorchester. Over the main door is the date 1650, the year in which the building was restored or altered. Among the attractions of the place are two mediæval barns with fine timbered roofs.

BRADFORD ABBAS CHURCH.

The Rev. Canon WICKHAM received the visitors and sketched for them the history of the church from its construction by Abbot Bradford, of Sherborne, about 1480. The style is Perpendicular throughout, the material employed being Hamdon stone. At the eastern end of the south wall stands a small doorway, or priests' porch, which was much admired, as were the armorial corbels in the nave. The tower is justly regarded as the best example of its class within the county, indeed, those who saw it for the first time might well have believed that they were over the border in Somerset.

Mr. ALFRED POPE commented upon the shaft and steps of the churchyard cross, which is in a fair state of preservation, and assigned its date to the fifteenth century.

CLIFTON MAYBANK.

By the permission of Mr. Daniell, who was away from home, the Club was enabled to inspect the exterior of the Manor House and its surroundings.

The HON. SECRETARY observed that they were then looking at a portion only of the great house wherein the Horseys lived in the sixteenth century, the builder of which was probably Sir John, who died in the year of the Armada. The ancient gateway, attributed to Inigo Jones, had been taken down and removed to the park at Hinton St. George, and a portion of the main fabric was transferred to Montacute House.

Chief among the surviving architectural details is the magnificent oriel window placed high up in the wall of the western, or garden, front. There was, at one time, a chapel adjoining the house, but nothing more than the turf-covered foundations are now to be seen. Some pieces of sacramental plate are, however, still preserved in Bradford Abbas church.

NEWTON SURMAVILLE.

The Rev. E. H. BATES HARBIN, addressing the Members assembled near the porch of his Jacobean home, said that he knew the unbroken history of that manor from the period when Emma de Waie married a member of the Norman family of Salmunvill. This lady died in 1221, owning lands in Niveton and leaving Philip de Salmunvill as her son and nearest heir. The manor was owned by several other

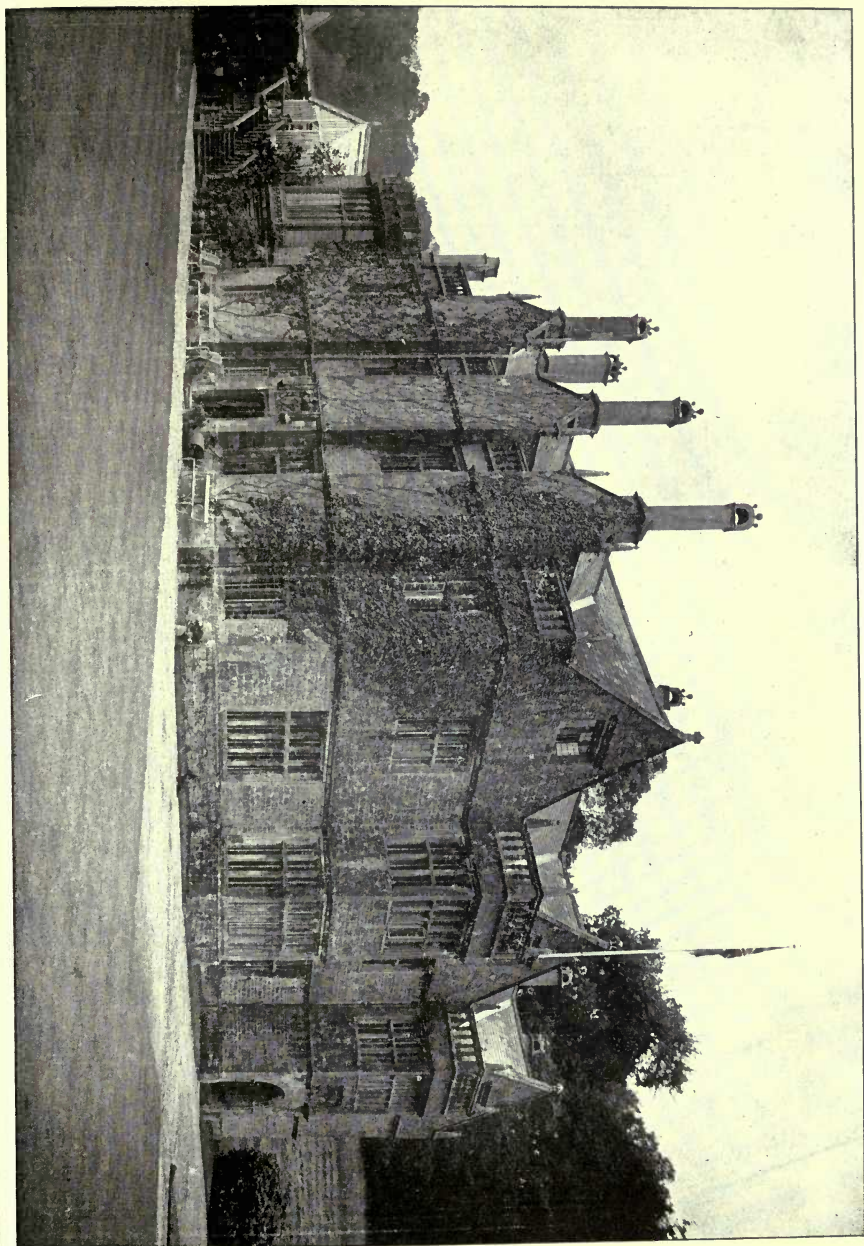
families before it was acquired in 1608 by Robert Harbin, of Wyke, near Gillingham, who built the existing house and finished it in 1612.

The party was then conducted through the house and had full opportunity for examining the many treasures, artistic and literary, which were to be seen. Among these were memorials of the Wyndhams, of Trent, and Charles II.

The Club was afterwards entertained at tea by Mr. and Mrs. Bates Harbin, who were cordially thanked by the PRESIDENT for their hospitality and kindly welcome.

A plate of Newton Surmaville accompanies the report of this meeting.





FOURTH SUMMER MEETING.

THE CERNE VALLEY.

Tuesday, 24th September (adjourned from 27th August).

Mr. Nelson M. Richardson, the Rev. H. Pentin, and the Rev. Canon Mansel-Pleydell were accompanied on this, the last outdoor meeting of the year, by nearly eighty Members and their friends. A start was made from Dorchester, the first halting place being Charminster Church, where the Club was received by the Ven. Archdeacon DUNDAS, who had prepared a paper dealing with the architectural and historical features of the building.

The oldest parts of the church, the ARCHDEACON observed, were the nave and the chancel arch, dating from the third quarter of the 12th Century. The clerestory contains, not only six Perpendicular windows, three on each side, inserted in the 15th century, but also, between them, four small Norman windows, two on each side. These were discovered and opened out in the course of the successful restoration effected in 1897 under the direction of Mr. Chas. E. Ponting, F.S.A. The south arcade was remarkably like that at Bere Regis, so like as to suggest that the same architect was responsible for the design. Although the arches of the bays were pointed, yet it was erroneous to suppose that they were of later date than the semi-circular chancel arch. The original chancel, 28 feet deep and wider than the present one, was pulled down in the Civil Wars under an agreement between the impropriator and the parishioners. The existing chancel, neither large nor interesting, was built only 80 or 90 years ago. Attention was called to such other features as the handsome panelling in Ham Hill stone of the soffits of the three tower arches, the hagioscope, the original stone newel staircase leading into the roodloft, and the two beautiful 15th Century canopied altar tombs of the Trenchard family, now standing in the south aisle; the Jacobean pulpit, and the ancient texts and decorations in fresco on the wall, including a diapering in a conventional treatment of what Mr. Micklethwaite pronounced to be a Spanish pomegranate. The north aisle was rebuilt, of the same width as the nave, in 1838, when the original Perpendicular windows were reinserted. The oak altar rails, the Archdeacon continued, were carved by the late Rev. C. W. H. Dicker.

Outside the church door the Archdeacon pointed out the priest's sundial, meant to show the time of the early Mass ; but chief attention was claimed by the tower, erected about 1500 by Sir Thomas Trenchard, of Wolfeton, whose initials, the Old English double T, in monogram, appear in no less than 24 places.

Mr. ALFRED POPE, F.S.A., spoke upon a most interesting find recently made—a portion of the shaft of a 15th or 16th century cross, originally an unequal-sided octagon, embedded in the western end of the churchyard boundary wall. By the Archdeacon's leave it has lately been taken out and placed against the southern wall of the church—a welcome addition to "The Old Stone Crosses of Dorset."

CERNE ABBAS.

The party then drove on to Cerne Abbas, and alighted at the Abbey Barn. Here they were received by the Vicar (the Rev. H. D. Gundry) who acted as the Club's *cicerone* in Cerne. He recalled the late Mr. Henry Moule's enthusiasm for that barn, and his computation that not fewer than 125,000 flints, each shaped by hand, were used in its construction. He also asked the visitors to realise the great loss suffered in the destruction of the original timbering of the roof, although the late General Pitt Rivers was happily able to preserve the timber in the two porches, and did good service in having the barn solidly re-roofed in stone tile.

From the barn Mr. Gundry led the way to the parish church. Of the lofty tower, in rich dark-brown stone, he spoke with admiration, and then deplored the decadence of the poor debased Gothic in the nave arcades and windows. The great Perpendicular east window with its ancient glass, must have come from a much larger building, probably the Abbey Church itself, since there was not room to insert the whole of the window, and the lower part had to be sacrificed.

From the church the party walked to St. Augustine's Well, about which the Vicar repeated the familiar legends. The HON. SECRETARY (the Rev. HERBERT PENTIN) said he believed, with Mr. Gundry, that the Augustinian traditions relating to Cerne were mere fables. That fount was not called St. Austin's or St. Augustine's Well by William of Malmesbury, but "Silver Well."

Dr. COLLEY MARCH mentioned that the partial covering of that well with stones indicated that probably its borders were used for "incubation." The sick person came and lay there for a night or nights until some vision appeared and gave directions for his cure.

Mr. GUNDRY next led the way to the ruins of the Abbey. He pointed to the reputed site of the Abbey Church—alongside the present cemetery ; any digging along the wall brought to light the encaustic tiles with which the church was paved.

The party then inspected the guest house or refectory, a building mainly of the second half of the 15th century, with certain windows and a doorway added at a later date. In this building occurs the oriel window, which delighted the architects who visited the place a few years ago. Mr. H. Le Jeune had called attention to the serious list which the building was showing, threatening the collapse of the wall containing the oriel. This wall is now stoutly shored up with timbers.

Canon MANSEL-PLEYDELL assured the party that Mr. A. L. F. Pitt-Rivers, the owner of the property, was as anxious as any member of the Club could be that the structure and window should be preserved, and would do everything possible for its preservation.

MINTERNE AND UPCERNE.

The party next drove, *via* Dogberry Gate, to Minterne, where the Rev. W. G. Barclay, in the absence of Lord Digby, showed the Flemish tapestries which adorn the house.

On returning, the Members made a short visit to Upcerne House to inspect its Tudor architecture. Colonel Mount Batten, who had intended to entertain the Club at the postponed meeting of 27th August, was then away from home.

The party took tea at the New Inn, Cerne.

Afterwards, five candidates were elected by ballot as members of the club, and the HON. SECRETARY announced three further nominations.



WINTER SESSION, 1912-13.

The first Winter Meeting of the Field Club was held in the Reading Room of the County Museum, Dorchester, on Tuesday, 10th December, 1912. The President (Mr. Nelson M. Richardson) took the chair at 12.30, and among those present were the Hon. Secretary and the Hon. Treasurer.

Three candidates for membership were elected by ballot, and four nominations were announced.

Sir DANIEL MORRIS, K.C.M.G., read his report as the Club's delegate to the British Association meetings at Dundee in September last.

The Conference of delegates of Corresponding Societies was held under the Chairmanship of Professor F. O. Bower, F.R.S., of Glasgow, who delivered an opening address on the work of the great botanist, Sir Joseph Hooker, G.C.S.I., F.R.S., who was also distinguished as a traveller and geographer, an administrator, a scientific systematist, and a philosophical biologist.

The official list showed seventy representatives of affiliated societies and nineteen representatives of associated bodies.

The following were among the subjects discussed at the Conference.

(a) The results obtained by the British Mycological Society on certain Fungoid Pests, by Miss A. Lorrain Smith, F.L.S.

(b) A preliminary report on the Selborne Society's Committee for the State Protection of Wild Plants, by Mr. A. R. Horwood.

(c) The Brent Valley Bird Sanctuary: An Experiment. Plant Protection (with lantern illustrations), by Mr. Wilfred Mark Webb, F.L.S.

(d) Water Power and Industrial Development in connection with the Highland Lochs, by Mr. Alexander Newlands.

Proposals relating to the Protection of Animals were touched upon by Dr. Chalmers Mitchell, F.R.S., in his address as President of Section D (Zoology) and in respect of the Protection of Plants it received the support of Section K (Botany).

At the Conference on the second day (Sept. 10th) a resolution was proposed by Mr. G. C. Druce, F.L.S., seconded by Mr. W. Whitaker, F.R.S., and carried, "That this meeting cordially approves of the objects of the Society recently established for the purpose of obtaining areas containing interesting specimens of fauna and flora, and also objects of geological interest." In an address by the Hon. N. C. Rothschild

on "Nature Reserves," he announced that a Society for the promotion of reserves was in course of formation and would shortly issue its prospectus. This was regarded as giving promise of effective practical measures.

Mr. E. A. FRY, who had been the Club's delegate at the Congress of Archæological Societies in London in June last, had forwarded his notes upon the subjects which were then discussed. (A print of the report was already in the hands of the Members.) The HON. SECRETARY read Mr. Fry's observations, which more particularly referred to (1) the indexes of archæological papers, the utility of which merited a larger demand by the affiliated societies; (2) the inclusion of Ecclesiastical buildings within the scope of the Ancient Monuments Act, a proposal which was adopted by the Congress; and (3) the continued destruction or mutilation of earthworks.

Captain ACLAND remarked that the Golf Club at Came were said to have caused damage to barrows on the links; but he had been recently assured that only once had a small mound been cut, and that such a thing would not be done again.

The PRESIDENT moved a resolution to elect Mr. Henry Symonds as Hon. Editor. The proposal was seconded by Colonel MAINWARING, supported by the HON. SECRETARY, and approved by the Members.

The PRESIDENT then announced that Mr. H. Stilwell, who had edited the Dorset rainfall reports for many years, desired to relinquish the office, and he asked the meeting to accord a hearty vote of thanks to Mr. Stilwell for his work in that field of science. A resolution inviting Mr. Stevenson Henshaw, C.E., of Portland, to undertake the duties was proposed and adopted, at the suggestion of Mr. STILWELL.

The following gifts had been received, of which the PRESIDENT made due acknowledgment:—Mr. E. A. Fry, some documents to be added to the collection already presented by him; Mr. Forsyth, a case of beetles; Mr. Wingfield Digby, two oak logs.

EXHIBITS.

By Mr. HENRY SYMONDS, (1) an original letter of marque issued in 1803 to the East Indiaman *United Kingdom*; (2) a cast from a half-crown of the Civil War period, showing "S A" on the obverse, which letters had caused the coin to be attributed to a mint at Sarum. As the general type was very similar to that of the Weymouth half-crowns of 1643-4 the exhibitor believed that it was struck at Sandsfoot Castle during the siege.

By Mr. E. A. RAWLENCE, a stone corn pounder and a stone fire-kindling pot (?) recently found near Sherborne Castle.

By the HON. SECRETARY, an original copy of a "Sermon preached at the Anniversary Meeting of the Dorchester Gentlemen in the Church of St. Mary-le-Bow, Dec. 1, 1691, by Tho: Lindesay A.M." (The author was a native of Blandford, and became Archbishop of Armagh.) See *Proceedings*, Vol. XXXII., pp. xxix., xxxii.

By Mr. C. G. H. DICKER, two "greybeard" jugs dug up in his garden at Upwey in October, 1912. The PRESIDENT had prepared the following note in connection with these vessels.

The two very similar jugs found by Mr. Dicker buried a very short distance below the surface, probably date from the 17th century. They are generally known as Bellarmines or greybeards, from the fact that the face below the spout was taken to represent Cardinal Bellarmine, who in the latter half of the 16th century was unpopular as one of the strongest opponents to the Reformation, but the decoration of a face under the spout of a jug dates from a much earlier period. The material of the jugs is a stoneware, glazed with salt at a very high temperature, and is very hard and impervious. The manufacture of this ware in its more finished and refined forms was carried on at many places in Germany and the Low Countries from the early part of the 16th century, but coarser stoneware articles had been made there for a long period. In the 16th and 17th centuries, and later, articles of many different shapes were made, often decorated with raised coats of arms, lettering, and various ornaments. The jugs like the Upwey examples were made at more than one factory, but that at Frechen near Cologne seems to have been their chief source. Immense numbers of them were used in the inns of Germany and Flanders as beer bottles, and they were also very largely imported into England

for the same purpose, so that most of those found in this country are probably of German origin. But it is likely that they were also made in England, perhaps in various places, though the only distinct piece of evidence of this is the finding of a few, together with other pots, in a walled-up room at Fulham, where one of the most distinguished of English potters, John Dwight, worked in the latter part of the 17th century. Other more artistic productions of Dwight's are known, and these beer jugs were, from the circumstances, almost undoubtedly made by him, though they are so like some of the foreign ones, that had it not been for the fortunate find alluded to above, there would have been nothing by which they could have been distinguished with certainty. It is now impossible to say whether such jugs as the present ones were made here or abroad, though the probabilities point to the latter. The only undoubted one of Dwight's Bellarmines that I have seen (in the British Museum) is smoother in surface and not so mottled as these, but some of the jugs found in England are much more richly mottled, and have the dark patches much larger. The concentric rings on the bottom of these jugs are caused by the clay being cut through with a wire, as grocers cut cheese. I doubt whether it is known how the jugs were corked; perhaps with wooden plugs. Though these beer jugs or bottles must 200 years ago have been in use in countless numbers, and though they do not look as if they would easily be destroyed, yet now they are not often met with, and it is fortunate that these have fallen into the hands of one like Mr. Dicker, who appreciates their antiquarian interest, and will take every care of them.

PAPERS.

1. Dr. H. COLLEY MARCH, F.S.A., read a paper on "Scando-Gothic Art in Wessex, suggested by the Sculptured Stones recently discovered at Whitecombe," which is printed and illustrated in this volume.

2. Mr. E. A. RAWLENCE described the circumstances attending the find of two buried oaks at Butterwick in Blackmore Vale, and exhibited photographs and plans of the sites. The geological questions involved were discussed in some notes kindly sent by Dr. W. T. ORD, F.G.S.

The dry summer of 1911 led to the discovery of this long-buried timber in the bed of the stream running from Holnest to Buckshaw, near to the point where it joins the stream from Glanvilles Wootton. The Holnest river having become quite dry, the deposits of gravel were being used for road purposes, and in the course of these operations the first oak tree was found under the bed of the stream. This log,

16ft. by 2ft. at the butt, was lying in gravel, with 4ft. 3in. of alluvial clay and 1ft. of solid blue clay over the butt. Underneath the tree was found a roe deer's antler. The second oak was in a similar position in the gravel about fifty yards up stream, but the tree had fallen in the reverse direction, viz., towards the north. Its dimensions were 20ft. 6in. by 2ft. 6in., and the clays above it were of practically the same thickness as those covering the earlier find. Remnants of broken limbs of the second oak were lying near, and a pointed oak pile was found driven into the river bed below the level of the log, but not connected with it. In each case the head of the tree lay 3ft. under the clay of the banks. The wood of both logs was in excellent condition, the colour approximating to that of Irish bog oak. Dr. Ord, in the course of his notes, remarked that the points of interest raised by these discoveries were (a) the age of deposition of the gravel beds in which the logs occurred, (b) whether the deposit was in its original position, or had been washed down from higher beds of an earlier period, (c) the period to which the pile should be assigned. He thought there could be little doubt that the gravel was laid down by the stream, probably at a time when the natural drainage system of the country was much the same as at present, the period of such river deposits usually corresponding with the Neolithic age of human occupation. The existing water shed of the district south of Sherborne suggested that the material in which the logs were found came from the chalk hills to the south-west; from these hills there would be a fall of about 600ft. to the Oxford clay through which the stream flowed, in less than $3\frac{1}{2}$ miles.

3. Mr. HEYWOOD SUMNER, F.S.A., contributed a paper on the Earthworks of Cranborne Chase, illustrated by many plans which he had drawn. The paper is printed in this volume.

4. A paper by Mr. F. J. POPE, F.R.Hist.S., on Dorset Assizes in the Seventeenth Century, could not be read owing to the lateness of the hour, but the communication will be found on a subsequent page.



SECOND WINTER MEETING.

Tuesday, 28th January, 1913.

Mr. N. M. RICHARDSON presided, and among those who attended were the Rev. Herbert Pentin, Canon Mansel-Pleydell, Captain Elwes, Mr. E. R. Sykes, F.Z.S., and Mr. Alfred Pope, F.S.A. Three candidates for membership were elected by ballot, and the HON. SECRETARY read a list of eight additional nominations.

EXHIBITS.

The PRESIDENT exhibited "The Paraphrase of Erasmus on the New Testament, 1548—9," — a translation of the original work in Latin written by Erasmus chiefly in 1523 and 1524, one portion as early as 1519. In the earlier version the paraphrase is continuous, with no text; but in the translation the Bible text is split up into small portions, each of which is followed by a dissertation, with prefaces, prologues, and arguments before most of the different books. It seemed that Queen Catherine Parr had much to do with the initiation and carrying out of this work, and the first five dedications were to her. Perfect copies were rare, as the book was much used, and few Church copies were likely to have survived Mary's reign, as all English Church Bibles were then ordered to be destroyed.

Lieut.-Colonel Mainwaring brought the larva and pupæ of the *Cicada*, or singing grasshopper, found in Central America. The male insect possesses considerable vocal powers, but the female is mute. Specimens of the smaller English *Cicada* were also exhibited by the President.

Captain Acland, F.S.A., produced a series of photographs of the excavations carried out at Maumbury during August and September, 1912; these plates will accompany Mr. Gray's report printed in this volume. Captain Acland then drew attention to a model of the earthwork lent by the Brighton

Museum, to which it had been presented by the late Mr. Charles Warne.

Mr. Alfred Pope, F.S.A., exhibited a charm of *lapis lazuli* worn by Hindoo women, with a calendar and the signs of the Zodiac inscribed upon it.

PAPERS.

Canon J. M. J. Fletcher read a paper on "St. Cuthburga of Wimborne Minster," based upon a translation which he had made of a Latin manuscript now in the Lansdowne Collection in the British Museum, and formerly preserved in Romsey Abbey.

Mr. J. S. Udal, F.S.A., read a paper entitled "Dorset Weather Lore;" several members took part in a discussion upon the subject.

The Rev. O. Pickard-Cambridge contributed a paper on "New and Rare British Arachnids," which was read by the President, in the absence of the author.

Mr. Richardson also read the introduction, prepared by himself, to notes upon the Lepidoptera of Purbeck, by Mr. Eustace Banks.

A paper dealing with the brewers of Sherborne in 1383, by Mr. E. A. Fry, was read on his behalf by the Hon. Secretary.

Mr. W. de C. Prideaux had promised a further instalment of his descriptions and rubbings of Dorset memorial brasses, but illness in his family prevented him from attending the meeting.



ANNUAL BUSINESS MEETING.

Tuesday, 6th May, 1913.

This meeting was held in the reading room of the Dorset County Museum, the chair being taken by the President, Mr. Nelson M. Richardson, at 12.30. Among those who attended were the Rev. H. Pentin, Canon Mansel-Pleydell, Captain Elwes, and Mr. Clement Reid, F.R.S.

Seven new members were elected by ballot, and six nominations for membership were announced by the Hon. Secretary.

Mr. W. de C. Prideaux exhibited a number of rubbings of memorial brasses and described their points of interest, calling particular attention to the brass of Dr. Nathaniel Highmore, an anatomist of the 17th century.

The President then delivered his ninth annual address, which is printed in this volume.

Mr. Clement Reid, in proposing a vote of thanks to the President for his valuable address, remarked that Mr. Richardson had modestly omitted any reference to his own research work, but they all knew how much he was doing for the advancement of science. The proposal was seconded by Canon Usherwood and carried with applause.

Canon Mansel-Pleydell, the Hon. Treasurer, presented a statement of the accounts for 1912, which showed that the year ended with an increased credit balance. Captain Elwes, in moving the adoption of the accounts, congratulated the Treasurer on the satisfactory result, and the President expressed his appreciation of the management of the Club's finances.

The Rev. Herbert Pentin reported, as Hon. Secretary, that the number of members during the past year had fluctuated between 390 and 400, the limit. Mr. Pentin also referred to the successful meetings of the previous summer, and produced an audited account of the expenses, showing a balance in hand.

The report of the Hon. Editor as to the forthcoming volume was read by Mr. Henry Symonds, who observed that the Club was indebted to Dr. Colley March, Mr. Heywood Sumner, and the Maumbury Excavation Committee for providing or contributing towards the cost of the illustrations for their respective papers.

Mr. C. J. Cornish Browne, the Hon. Director of the Photographic Survey, reported that 107 photographs had been added to the collection since the last annual meeting, viz., 25 by the Rev. J. Ridley, one by Mr. C. Mate, and 81 by the Director.

Mr. T. H. R. Winwood read the following notes prepared by Captain Acland, the Curator of the Museum, concerning the additions to the Library and Museum during the past twelve months—

I have much pleasure in taking this opportunity of bringing to the notice of the Dorset Field Club some of the acquisitions to the County Museum since the last Annual Meeting.

In the Geological section the Oxford Clay Fossils have been examined, and where necessary re-named by Dr. A. Morley Davies, of South Kensington, in accordance with the most recent classification, who in returning them drew special attention to one specimen, saying “this Ammonite belongs to a genus *Reineckia*, very rare in England; it is a beautiful specimen showing the mouth border on one side, and it should be given a place of honour.”

Printed labels will now be attached to this series, in the same manner as was done to some others with the help of the late Mr. Hudleston and our President, Mr. Nelson Richardson.

As additions to our collection of birds we have had a Golden Oriole, taken at Wrackelford, and two specimens of the Little Owl, one from Came, the other from Owermoigne. It is of interest to note that during last summer another of the same species was taken near Wool, and a fourth was seen at Kingston Russell.

A folio Volume, an Herbarium dated 1766, has at last found a home in the Museum. It contains botanical specimens collected by Dr. Hawkins, of Weymouth, which are considered of much value, as they belong to such a distant period. They are, however, by no means all found in Dorset. The book is presented by Mr. Winwood.

Some pieces of ancient buried oak exhibited here recently by Mr. Rawlence were presented by him to the Museum; the details of their discovery will appear in the Volume of Proceedings.

We have also acquired, through the kindness of Mr. Forsyth, a collection of beetles, which have been placed in the cabinet of Lepidoptera, under the special care of Mr. Richardson.

With the exception of a few more objects from Maumbury Rings, nothing of special interest has been acquired for the collection of either Roman or prehistoric antiquities; but of objects nearer to our own time we have obtained some good exhibits, viz., a large and terrible-looking man-trap from Pydeltrentthide; a massive pole hook for clearing thatch off the roofs of burning houses; the barrel of a musket from the Chesil Bank, completely covered with shells and sea pebbles; a good example of a metal tinder box, found under the eaves of an old house in Dorchester; and a XVI. or early XVII. century chair retaining the original leather, presented by Mr. de Lafontaine.

The Library has been enriched by some volumes worthy of mention, partly by purchase, but partly also by the kindness of donors. Among the former I may mention Mr. Abercromby's "Bronze Age Pottery," finely illustrated and containing plates of a large number of the Sepulchral Urns now in the Dorset County Museum, and of objects found with the burials. This work is described by the author as an attempt to arrange in chronological order the chief types of cinerary urns, beakers, and food vessels, and will probably become a standard book. The Dictionary of National Biography has been completed by the purchase of the three supplementary volumes, which deal with the years 1901 to 1911. The only Volume yet published of the County of Dorset in the Victoria History of the Counties of England has been obtained; curiously enough, it is called Volume Two; it deals with the Ecclesiastical History, Political History, Sport, Industries, &c. And partly by purchase, partly through the generosity of Dr. Colley March, we have added 31 Volumes to the series of *Archæologia*. The Library now contains a set (51 Vols.) of these valuable books, from Vol. 28, date 1840, to Vol. 62, of 1911. Haydn's Dictionary of Dates and many books of reference useful to Members and Subscribers to the Museum have been acquired.

The Borough Surveyor of Dorchester has presented an interesting set of plans and sections measured while the surface drainage scheme in Dorchester was being carried out in 1911-1912. These sections may prove of much value in any future discussion of the exact site of the Roman defences of Durnovaria. They will probably show that the Roman Wall on the south side of the town did not run exactly parallel to the present avenue and South Walks.

In addition to the Volumes of "*Archæologia*" given by Dr. Colley March, we have to acknowledge the handsome volume of British Miniature Painters by and from Mr. J. J. Foster; two numbers of "*Vetusta Monumenta*," from Mr. J. S. Udal; and from the Bishop of

Durham a volume of photographs illustrative of buildings and scenes in Dorchester now passed away, presented (as he says) "with heartfelt affection for his native place, the home of his first 40 years of life."

At the same time Dr. Handley Moule gave an interesting little book entitled "Recollections of Two Coronations," printed for private circulation only, together with a framed photograph of himself in Coronation robes. The Bishop of Durham has the hereditary right to be one of the supporters of the King at the Coronation service, standing at his right hand, and no one bishop has supported two successive Kings of England since the accession of Queen Anne, and with that solitary exception, Dr. Moule remarks, "we must go back nearly five centuries to find a Bishop of Durham privileged like myself to act at more Coronations than one."

In conclusion I must allude with pardonable satisfaction to the marked increase in the number of visitors to the Museum. During the year 1912, 6,140 persons paid for admission, and in addition to this number several classes from elementary or secondary schools were brought by their teachers for educational purposes. The admissions for the last three or four years show a continued and steady advance.

JOHN E. ACLAND.

Dr. Colley March, in presenting a report from the Earthworks Sectional Committee, expressed regret that so small a number of replies had been received in answer to the enquiry forms, and hoped that other members would send in the desired particulars of earthworks in their respective localities.

"MANSEL-PLEYDELL" AND "CECIL" MEDALS.

The President, in the absence of Lord Eustace Cecil, announced that the Mansel-Pleydell medal and prize had been awarded to Canon T. E. Usherwood for his essay on "Roman villas in Dorset," and that the essay would be printed in the next volume of *Proceedings*. Mr. Richardson then presented the medal and prize to the successful competitor.

The President also announced that the Cecil medal and prize had been won by Mr. Charles Roper, of Chickerell, the subject of his essay being "The known sources of supply of petroleum oil and its various products." Mr. Roper attended the meeting and received the medal and prize at the President's hands.

ELECTION OF OFFICERS.

Captain Elwes having proposed that Mr. Nelson Richardson should be re-elected as President of the Club, the resolution was seconded by Mr. Alfred Pope and unanimously approved.

Canon Usherwood proposed, and Mr. J. S. Udal seconded, a resolution that the Rev. Herbert Pentin be asked to continue in the office of Hon. Secretary, with a hearty vote of thanks to him for his services in past years. Mr. Pentin, in assenting to the wishes of the members, desired to name Mr. H. Pouncy as assistant secretary.

The re-election of Canon Mansel-Pleydell as Hon. Treasurer was proposed by Canon Fletcher and seconded by Mr. Udal.

On the motion of Mr. Alfred Pope, Mr. Henry Symonds was re-elected as Hon. Editor.

The next business was the appointment of the sectional committees.

The Hon. Director and the committee of the Photographic Survey were re-elected, as was the Earthworks committee, Mr. T. H. R. Winwood being added to the latter.

The Numismatic sectional committee was also re-appointed.

The President then nominated the existing Vice-Presidents, with the addition of Mr. Henry Symonds and Mr. J. S. Udal, and the resolution was adopted.

Mr. Nigel Bond and Mr. E. A. Fry were appointed as delegates to represent the Club at the Congress of Archæological Societies in union with the Society of Antiquaries of London. Mr. Alfred Pope was asked to attend the forthcoming meeting of the British Association as the Club's delegate at the meetings of the Corresponding Societies on that occasion.

It was resolved to hold a two-days' meeting in the district of Malmesbury, and three single-day meetings, during the ensuing summer.



Dorset Natural History and Antiquarian Field Club.

TREASURER'S ACCOUNT FOR THE YEAR ENDING DECEMBER 31ST, 1912.

RECEIPTS.		EXPENDITURE.	
	£ s. d.		£ s. d.
Balance in hand January 1st, 1912	12 16 2	<i>Engraving Blocks—</i>	8 19 2
Members' Subscriptions	187 14 6	Carl Hentschel ..	10 12 6
New Members' Entrance Fees and Subs.	32 0 0	W. Griggs and Sons ..	7 5 0
Sale of Volumes (Treasurer, £2 12s. 0d.; Messrs. Sims, £1 0s. 6d.)	3 12 6	McFarlane ..	26 16 8
Dividends on Consols	11 15 8	<i>Messrs. Sims and Co.—</i>	
		Printing and Binding 450 Copies of Vol. xxxii. (1911) ..	111 3 0
		Postages and Wrappers ..	9 0 10
		Extra Authors' Copies and Postages and List of Members ..	10 1 3
		Programmes of Meetings, Postages, and Addressing ..	18 5 0
		Advertising Meetings ..	1 15 0
		Printing Rainfall Registers ..	0 15 0
		Earthworks Circulars ..	0 18 0
		Notices of Election of Members ..	0 3 6
		Stationery ..	1 4 6
			153 6 1
		<i>Subscriptions to Societies—</i>	
		Archaeological Societies ..	1 0 0
		Diffto 450 Copies of Report ..	0 11 3
		National Trust Society ..	1 1 0
		Maumbury Excavations ..	5 5 0
		Whitcombe Church ..	2 2 0
		Tolpuddle Slab ..	2 2 0
			12 1 3
		Treasurer's Secretary ..	2 10 0
		Hutchings, Hire of Room for Vols. and Postages ..	0 6 4
		Cheque Book ..	0 2 6
		Balance in hand Dec. 31st, 1912 ..	52 16 0
			£247 18 10

I have examined the above Account, together with the Receipts and Vouchers for payments made, and have found the same correct.—
C. S. BLANDFORD, Wilts and Dorset Banking Company, Ltd., Sturminster Newton.
17th May, 1913.

J. C. M. MANSEL-PLEYDELL, Treasurer.

Dorset Natural History and Antiquarian Field Club.

HONORARY SECRETARY'S ACCOUNTS : SUMMER MEETINGS,
MAY, 1912, TO MAY, 1913.

DR.

CR.

1912.		£	s.	d.	1912.	£	s.	d.
May—To Balance brought forward ..	..	7	4	0	Till May 6, 1913—By Postages, Telegrams, and			
„ Receipts from Members attending					Incidental Expenses (Hon.			
the Four Summer Meetings—					Secretary and Assistant			
June 18—Beaulieu Abbey Meeting ..	..	17	9	0	Secretary) ..	..	3	19
July 23 and 24—Marlborough ..	..	40	6	9	By Expenditure : Summer Meetings—			
Sept. 11—Yeovil ..	..	7	15	0	June 18—Beaulieu Abbey ..	..	12	15
„ 24—Cerne Valley ..	..	13	16	0	July 23 and 24—Marlborough ..	..	37	19
					Sept. 11—Yeovil ..	..	2	17
					„ 24—Cerne Valley ..	..	8	15
					Assistant Secretary's Honorarium	..	12	10
					Museum Attendant's Gratuities	..	0	15
					for Three Winter Meetings ..	..	6	19
					Balance in hand ..	..	
							£86	10
							9	

May 6th, 1913.

HERBERT PENTIN,
Hon. Secretary.

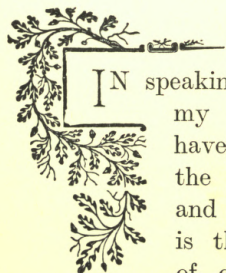


Anniversary Address of the President.

By NELSON MOORE RICHARDSON, Esq., B.A.

(Read May 6th, 1913.)

OBITUARY.



IN speaking, as I usually do, at the beginning of my Annual Address of those whom we have lost by death during the past year, the name that will come first to myself and to all the older Members of the Club is that of Mrs. Mansel-Pleydell, the widow of our first President and founder, whose memory we shall always hold in the greatest reverence. Mrs. Mansel-Pleydell very often accompanied her husband to the Meetings and took the greatest interest in everything connected with the Club ; but of late years her health has been such as to prevent any active exertion, though I know that her interest has never ceased. And I am happy to say that we still have a

very valued representative of the family with us as our Treasurer.

The tragic news of the death of Rev. C. W. H. Dicker, which was broken to many of us as we assembled for our Cerne Meeting, is fresh in our minds. Considering all that he did for the Club in different ways, including his three years' Editorship of our Volume and the varied knowledge which he imparted to us both in papers and at our outdoor meetings, it is difficult to believe that he was only a Member for eight years; but some men will do more in such a short period than others in a lifetime. Rev. C. R. Baskett, who was also suddenly taken from us, when occupied in the noble work of starting in life in Canada those who would probably otherwise have never had any opportunity of starting at all, was a much older Member, having joined our ranks in 1886. He had seen, like Mr. Dicker, much of other countries and had a great taste for and knowledge of some branches of archæology. In his later years when settled at Monkton, he generally attended the Winter Meetings of the Club and took part in its doings. I regret to say that my list this year also contains the names of six others of our Members, of whom Miss Bessie Mayo, a Member since 1902, has been, I think, the most amongst us, and was a frequent attendant at our Meetings. The others are Mr. H. B. Batten, who joined in 1889, Mr. W. E. Brennand in 1885, Lt.-General J. P. Carr Glyn in 1898, Mr. James Cull in 1890, and Mrs. Alfred Smith in 1906. Since writing the above I deeply regret that I have to add to this long list the names of no less than four prominent Members of our Club. Sir John Charles Robinson, the distinguished Art Critic and Collector, joined our ranks in 1890, and will be specially remembered by us as a Club in connection with a meeting at Swanage, where he entertained, I believe, the largest number that were ever present at a Field Club luncheon and shewed us all the beautiful treasures that his house contained. But we are all individually still more indebted to him for a vast number of treasures in the

South Kensington (now the Victoria and Albert) Museum, acquired by him when he was Director of that Institution, and which it would now be impossible to get together, as well as for many other acts done by him in his public capacities. He has enriched our Dorset Museum with a valuable collection of Roman glass, an almost unique fossil turtle's head, and other gifts. Some years ago I had much wished to make him a Vice-President, but he asked to be excused, as he felt that at his age he could not do much for the Club. It is in connection with the Dorset County Museum even more than the Field Club that the work of Mr. W. Albert Bankes, who joined us in 1887, the same year as myself, will be remembered. In its early days, it was he who, as Hon. Secretary, was the moving spirit of it, and worked hard and continuously in conjunction with Mr. Henry Moule, its Curator, to build it up towards its present state of excellence, in which it takes a high rank amongst local Museums of its class. Besides this, Mr. Bankes was always ready to help on any good work that was on hand, whether it were Charminster Church restoration, or Arts and Crafts, in which he took a special interest, and always endeavoured to promote amongst the working classes. When a few months ago Mr. Henry Stilwell gave up the Editorship of the Dorset Rainfall Returns, I little thought that he would be with us for so short a time. The full and accurate Rainfall Reports since 1903, during which period the number of stations has increased from 50 to 66, bear witness to the excellent work he has done for the Club. He was a frequent attendant at our Meetings, and will be missed in other ways besides his special work. He became a Member in 1903. Mr. Walter John Fletcher was one of the very few remaining original Members of our Club, and has contributed to our Proceedings and taken part in our Meetings when he could spare the time from his duties as County Surveyor, which post he has held for about 40 years, and from his numerous engagements as Architect, to his attainments in which profession there remain many existing monuments. He also interested himself in various local

matters, in connection with which his loss will cause a blank.

ZOOLOGY.

The Origin of Life—a subject which has probably occupied the brains of many of the deepest thinkers of all ages since men began to speculate at all on such matters—is the one which was chosen by the President of the British Association last year for his Address. His own view is that living matter was probably gradually evolved from non-living substances, a theory which rests at present on evidence of the most superficial nature, there being absolutely no direct evidence of the evolution of life from mineral substances. One of the chief points brought forward is the resemblance of the movements of some living bodies to those of inorganic matter, such as drops of oil, which is, after all, an organic product, and may still possess some of the qualities of life. The Address is very learned, but not convincing. The growth of crystals forms another link in the chain. The sections of Zoology and Botany carried on the subject in a joint discussion; but there seemed to be a general feeling that the question was at present so purely speculative as to be hardly worth arguing about, and even the form which life first took when it did come into existence on the earth was a point on which there appeared to be great differences of opinion. From their probable nature, it is almost impossible that any fossils of these earliest living beings should have been preserved, as one would expect them to be little more than masses of a jelly-like substance, so that, as far as we can see at present, the question is likely to remain permanently unsolved.

Whilst speaking of this Address by the President of the British Association, there is one remark in the nature of a protest that I feel called upon to make. In our Club and other Societies with similar objects, including, I should have supposed, the British Association, it is an understood rule

that no discussion is to take place on the subjects of Religion or Politics, whatever views may be held by individual Members, and if any statements were made tending to provoke such discussion, I should certainly feel it my duty to call upon the Member making them to withdraw them. I can only regret and offer my protest, in which I am sure that I should be supported by the great majority of our Club, against the tone of the remarks on portions of the Bible made in this Address, which would certainly be offensive to many of his hearers, and might well have been omitted altogether, especially as he states that he places no reliance upon the records to which they refer.

Beginning with the lowest forms of life with which we are at present acquainted, there are about 18 diseases known, including yellow fever and rabies, which we have every reason to connect with minute parasites, but of so very small a size that they will pass through a porcelain filter and cannot be detected by microscopes. A great deal of information has now been obtained about these and many other diseases, both of man and animals, where the parasite is visible in the microscope. An interesting Address on this subject, as regards animals, was given by the President of the South African Association for the Advancement of Science, that part of the world being particularly fertile in such plagues. The Infusorian *Paramœcium aurelia*, has now been parthenogenetically cultivated for more than five years, giving more than 3,000 generations from a single individual which was originally isolated. In contrast to this enormously rapid increase there are individual sea anemones now living, which have been in captivity for more than 50 years. Much has lately been discovered about the formation of pearls, which have either some external particle or parasite for a nucleus, or are due to internal causes within the oyster itself. A new and very fine addition to our sea fauna is a large spider-crab (*Homola cuvieri*), a specimen of which was taken off the Cornish coast and presented to the Plymouth Marine Biological Laboratory. Its legs when stretched out cover a

width of about four feet, and its usual habitat is the seas to the N. of Africa. The account of the habits of a fish-eating spider (*Thalassius spenceri*, P.-Cambr.) from Natal, is new to me and interesting. The body is small with long legs, and when in quest of prey, it places its two hind legs on a stone and the other six on the water, watching for fish. When a small one comes within reach, it plunges head and legs beneath the surface, holds the fish with its legs and pierces it with its poisonous fangs. It then retires to land and eats it. The second Entomological Congress was held in 1912 at Oxford, and brought together Entomologists from many parts of the world with many interesting papers, amongst which I may mention one by our member, Sir Daniel Morris, dealing amongst other things with the method of reducing insect pests by introducing their natural enemies, parasitic or otherwise. A valuable collection of Foreign Lepidoptera, containing about 150,000 specimens, has been left to the nation, enriching the large collections already contained in the Nat. Hist. Museum. In the theory of Mimicry in Butterflies, a great deal naturally depends upon the assumed fact that they are much used as food by birds, but the catching or even pursuit of a butterfly by a bird is an incident not often witnessed, and the observation of the proceedings of a wag-tail, which in 25 minutes caught and ate about 23 butterflies which had settled on the damp sand by a stream in E. Africa, is, I should think, almost unique. The bird rejected one butterfly, an *Acraea*, as unpalatable. Experiments in Canada shew the response made by the females of luminous insects to a flash by the male when flying above her, possibly this occurs in the English glow-worm. Everyone must have noticed the dead flies which sometimes stick to the windowpanes and elsewhere, covered with a white mould. Attempts have lately been made to cultivate this fungus with a view to the destruction of flies, but though the cultivation has been successful, there may be difficulties in applying it to the fly, which takes the infection by eating the spores. *Stomoxys*, the biting fly, very like the common housefly but

with a long, sharp, biting apparatus, is also said to be subject to this mould ; but I think much less so, as I do not remember to have seen one affected by it. It comes, however, much less indoors, and it is there that one generally sees the dead victims to the disease. The only creature that I have to mention in the fish line (if that be its real position) is a sea-serpent, which was seen by several people on board the Dover Castle in the Gulf of Guinea on Oct. 17 last. The head and neck extended at least 14 feet above sea level, and were seen six times in two minutes at a distance of about $1\frac{1}{2}$ miles. What the animal was is of course problematical, but it is suggested that the object might have been the arm of one of the gigantic squids which are known to exist, as their bodies have been actually found ; or it may, of course, have been one of the monsters unknown to science, which it seems probable that the sea contains, from the many accounts of their appearance. A new bird, the Terek Sandpiper (*Terekia cinerea*), of which four were killed in Kent, has been added to the British list, and the Dartford warbler has been recorded for the first time in Ireland. Still more interesting is the capture at Utrecht, Natal, on Dec. 23, 1912, of a swallow which had a ring placed on its leg in May, 1911, in Staffordshire. As very little seems to be known of the nesting habits of that curious duckbilled quadruped, the *Platypus*, I refer to an account of the investigation of three of its burrows, which are made high up in the river bank. One contained two eggs, another one, the third a female and two lately-hatched young, one of which clung very firmly to its mother. When the young are hatched, the female blocks the burrows in two or three places with earth, either against water or enemies. It is satisfactory to be able to state that a thriving colony of the Elephant seal, which was threatened with extinction through being killed in large quantities for its oil up to about 1852, has been lately found on the island of Guadalupe, California, and will be protected. The first living specimens of the Pigmy hippopotamus (*H. liberiensis*) have reached Europe, and one is established in the Regent's

Park gardens. An Indian elephant has been born in the Copenhagen gardens, this being only the third instance of the kind in Europe, one of which was in London in 1903. The *Field* of Nov. 9 last contains a photograph of the nest or sleeping platform of an ourang-outang made by it in a tree near its cage in the London gardens on the evening of Nov. 3. An account has lately been published of the work done in the N. Atlantic during the cruise of the "Michael Sars." Besides investigation of ocean currents, the deposits of stones, some glaciated, on the ocean bed, have been sampled, much new information as to the early stages of eels has been obtained, and the extraordinary abundance of minute plant life in some parts of the sea has been shewn, the plants being so small as to pass through the finest silk net. In his Address to the Zoological Section of the British Association the President gives particulars of a melancholy list of animals recently persecuted to extinction by man, and of others which are on the verge, and recommends strict game laws and the establishment of large sanctuaries which would be in the widest sense developments of the Zoological Gardens, in which in all ages it has been the amusement and interest of princes and others to keep the strange animals of foreign countries. It would seem, through information supplied on schedules which were circulated, that a decrease has been taking place during the last few years in certain British migratory birds, especially the whitethroat, redstart, martin, swallow, and wryneck. The cause of this is suggested to be shooting and netting on the Continent, but considering the great variation which occurs in the number of specimens of such birds in any district in different years, we may still perhaps hope that the decrease is only temporary and due to natural causes. Our Hon. Member, Mr. R. Lydekker, has lately brought out a book on "The Sheep and its Cousins" in connection with the work he has done at the Nat. Hist. Museum of collecting together many rare forms of the different breeds of sheep (as well as other domestic animals) which are now on view there and are described in his book.

BOTANY.

Probably all who have ever had to do with gardens are aware that different seeds vary very much in the time they take to germinate, from the mustard and cress which when children we used to put on damp flannel before the fire in the fond hope that it would spring up in a night, to such seeds as Canna, which, enclosed in a very hard skin, take months. A paper on some experiments in germination of 278 seeds was lately read before the Royal Dublin Society, hawthorn taking a year and a-half. I am not aware that the question of the dormant state in which some seeds are believed to remain for many years when deeply buried has ever been satisfactorily solved, but certainly when new ground is turned up, fresh plants do sometimes appear either from freshly imported or long dormant seeds. Another recent set of experiments was detailed to the Linnean Society on the pollination of hardy fruits. Strawberries can produce good fruit without the aid of insects—raspberries, currants, and gooseberries require them. In some fruits a flower cannot be fertilised with its own pollen but requires pollen from another blossom or even another tree. 19 only out of 65 apples were self fertilising; in pears four out of 30; in plums 21 out of 41; in cherries 5 out of 12. Thus it might happen that in a garden containing only a few apple trees, all might be sterile from this cause. Of 3,000 insects visiting various fruit blossoms, 88 per cent. were hive bees, 5½ per cent. humble and other wild bees, and 6½ per cent. flies and other insects, which last chiefly ate the pollen and did not carry it usefully to other flowers. In a botanical garden, so far as I have seen them, it is generally attempted to grow all sorts of flowers, whatever their natural habitat, and the difficulties incident to this are more or less overcome by greenhouses, heated to various temperatures, ponds, &c. But in Japan a botanical garden for the Alpine flora has been lately established in the mountains, thus providing the natural habitat of the plants in a way which could not well be done

for mountain plants at a low altitude. The question of State forestry in this country has been debated, but as yet I believe very little has been done, though there are large suitable tracts of land available. Though it is an investment that takes a long time to shew profit, it is a valuable one for the future, and would give employment to many unskilled labourers in the present. The State can look forward a generation or two with much more satisfaction than private individuals, and many countries have found it most profitable. Improvements have lately been made in the varieties of Indian wheats and cottons which tend to benefit the Indian farmer. In America some cacti are used as food for cattle, the chief objection being the quantity of saline matter contained in them. A curious experiment carried out at Woburn shews that the presence of grass underneath a tree interferes with its growth, even when the grass is not growing in the soil but in pans of earth resting on it. The heating of soil to a temperature considerably above that of boiling water appears greatly to favour the growth of plants in it, but the cause, which is ascribed in some way to bacteria, does not seem clear.

GEOLOGY.

The catalogue of earthquakes compiled by Prof. Milne from various historical records from the beginning of our era to the end of last century is necessarily defective in the earlier portions, but would probably contain most of the more violent earthquakes in the then more civilised portions of the earth and would help in any attempt to ascertain any laws of periodicity which may govern them. Some of the oldest records are in Corea where they date back to 57 B.C. A very destructive earthquake occurred in Turkey on Aug. 9 last, the epicentre lying somewhere to the N.W. of the Sea of Marmora. It affected an area of about 20,000 square miles and killed 3,000 persons. With regard to the luminous

appearances which were observed in the Valparaiso earthquake of Aug. 16, 1906, and to which I alluded in my address last year, the evidence, on being sifted, has proved somewhat contradictory, and as a storm was raging over part of Chile at the time, it is considered that there is no sufficient proof that the luminosity was connected with the earthquake in any way. A violent eruption took place at Katmai in the Aleutian Isles on June 6 last, when a terrific explosion is said to have taken place, followed by a steady stream of volcanic fragments and ash which are estimated to have covered 300 square miles of fertile country and fell in a thick layer on the decks of a vessel 70 miles away. The Address of the President of the Geological Section of the British Association dealt with the relation between the Cambrian faunas of Scotland and N. America, and is full of interest to geologists, one of the conclusions being the resemblance of the Lower Cambrian fauna of the N.W. Highlands to that of N. America, whereas it differs essentially from the Lower Cambrian fauna of the rest of Europe. From this and other facts the arrangement of land and water at that period is deduced, reference being made to our Hon. Member, Mr. Jukes-Browne, whose work in this branch of Geology is well known. From a boring near London were lately obtained at a depth of over 1,100 feet specimens of Upper old red Sandstone with characteristic fossils. Recent discoveries in Texas and New Mexico have demonstrated the existence in the Permian strata of reptiles and amphibians, which have also been found elsewhere of this very early date, thereby complicating the theories of descent in these groups and making us hesitate to express opinions until more facts have been brought to light. The development of the higher fossil plants seems equally unknown, and Angiosperms have lately been found as far down as the Lower Greensand. In Cambrian rocks in British Columbia, at an elevation of about 8,000 feet, there is a spot where the fossils are in a most wonderful state of preservation. They consist chiefly of crabs, marine worms, and even jelly fish, which latter actually

shew the details of the thread-like swimming muscles. In the worms one can see not only the external formation and markings, but the details of the interior intestine and the long proboscis, which are all wonderfully preserved. After such finds, one may look forward to finding even earlier forms of life and improving a little on our almost absolute ignorance of its first beginnings; but these beautifully preserved low forms of life are, I believe, very uncommon. To go to a higher sphere, a fine skull of the horned reptile *Triceratops* has just been added to the Natural History Museum. The skull is about six feet long, but its brain has a length of only six inches. It comes from Upper Cretaceous beds in Wyoming, U.S.A. Remains of huge fossil Tortoises (*Testudo robusta*), and what is believed to be a still larger species, have lately been found in Malta.

ASTRONOMY.

The eclipse of April 17, 1912, came so near to our last Annual Meeting that though I was able to mention some of the circumstances and results connected with it, there were naturally many others which had not yet been published. Though, as I said in my last address, the extent of the eclipse was not in this country sufficient to affect animals and plants in general, yet at Paris, where it was much more nearly total, it is stated that birds and certain plants behaved as they usually do at nightfall. Observations on the total eclipse of Oct. 10 last in Brazil, were unfortunately prevented by heavy rain. Further observations have been made in Algeria, as well as on Mount Wilson, in California, on the supposed variability of the sun, which are not considered quite conclusive, but tend to assign to it an uncertain period of 5—10 days, with a variability of 5 to 10 per cent. To turn to the moon, which has hitherto been supposed to be unchangeable in its features, signs have been seen of the alteration in form and size of a small hill on its surface, but this appears to

require confirmation. The diameter of Neptune, the furthest of our planets from the sun, has been measured and found to be about 50,000 kilometres. The period of rotation of Uranus has also been found to be 10 hours 45 min. The number of known minor planets has now risen to 732. Several meteorites of interest have been recorded. A wedge-shaped fragment of a meteorite, weighing about 1,900 grams, was found in Kansas, U.S.A.; on Dec. 18 a bright meteor was seen by several observers at Manchester and in Yorkshire. It is described as having a diameter half the size of the moon, and leaving a bluish trail. After travelling some distance it divided into two portions, of which one seemed to fall towards the earth and the other to continue its course. A large detonating meteor passed over Patagonia on Feb. 10, and was seen and heard over a considerable area. But the most interesting occurrence was a shower of meteoric stones near Holbrook, Arizona, on July 19 last. A large meteor was seen to pass over Holbrook with a loud noise which lasted for about half a minute, and numerous stones were seen to fall near Aztec, raising puffs of dust in the sandy desert, more than 14,000 being found, weighing from one gram to 14lb., over an area of three miles by half a mile. It seems probable that the new comet 1912b may be identical with the Tuttle comet, which, approaching Jupiter too closely, has had its course shortened by 86 days. The spectra of Nova Geminorum and Nova Persei have been successfully obtained and carefully studied, and appear to present no striking differences from each other or from those of Novæ in general. Hydrogen is the chief feature, with calcium, iron, and other constituents. A recent theory with regard to temporary stars, or one class of Novæ, is that the star has somewhat cooled down, and a thin crust has formed over its surface. A break occurs in the crust, and the liquid fiery contents flow out in a sort of gigantic volcano. This produces the appearance of a temporary star, and may occur at intervals. The Pole star has been believed to be variable, and from measures secured on 17 nights a variation of 0.078

magnitude is shewn. This is rather less than that obtained by other methods. The speeds of stars through space vary from about 12 to 34 kilometres per second, so far as determined, our sun having a velocity of $19\frac{1}{2}$ kilometres. Their temperatures vary from $400,000^{\circ}$ Centigrade for γ Pegasi to $2,150^{\circ}$ for α Tauri, the sun being $4,950^{\circ}$. But different observers have varied in their results, especially in the hotter stars. Stars like Sirius in their spectra are about 50 times as bright as the sun, orange stars about one-sixth as bright, red stars only one-fiftieth. But these data can only be obtained for stars the distances of which can be measured. There would appear to be in the Milky Way, and possibly elsewhere, masses of gas of such a dark nature as to hide the stars behind it, and in this way the existence of blank spaces is explained. Many very fine photographs of Nebulæ, shewing beautiful forms, have been taken with the large reflector at the Lick Observatory, and are contained in Bulletin 219 of their publications.

METEOROLOGY.

Though the law of average can usually be relied upon to give much the same results when any fairly long series of years are taken into consideration, it is not often that a hot, dry summer like that of 1911 is followed immediately by what one may call an absence of summer like that of 1912, when cold and rain were almost perpetual, and though the temperature of July is shewn by the thermometer to have been slightly above the average, which will certainly be a surprise to those who experienced it, it is well made up on the other side by the cold months of June, August, and September. August was the coolest August ever recorded and the wettest month of the year, and wetter than any August in the past 57 years, except in 1878. I am speaking so far of the Greenwich records, but they are applicable to most other places. The yearly rainfall was greatly in excess of the average in Dorset and elsewhere, except in the West of Scotland. To counter-

balance this to some extent, the past winter has been remarkably mild, but has shewn a considerable excess of rainfall with deficiency of sunshine. In the British Isles generally, the rainfall amounted to 14 per cent. above the average. A very exceptional fall occurred at Norwich on Aug. 26-27, of 6·32in. in the 12 hours from 4 a.m. to 4 p.m. on Aug. 26, and 1in. in the following 12 hours. This amount has very rarely been surpassed in the British Isles, though in Assam we have records going up to 40·8in. in 24 hours, and in Jamaica more than 30 inches. From measurements which have been carried on for 14 years on the amount of water passing over a weir on the river Derwent, it has been found that the river absorbs on an average almost exactly three-quarters of the rain falling upon the area drained by it, the rest being carried off by evaporation, plants, &c. It has been suggested that the cold summer of 1912 was due to the abnormal ice-drift in the Atlantic, to which the sad fate of the "Titanic" called public attention. This has also caused investigation of the laws affecting icebergs in general, with some interesting results, but I think that some of them require more testing and working out before they can be accepted as reliable. It would appear from certain observations that the temperature of the sea increased on approaching an iceberg, the explanation being that the water which was chilled by the iceberg sank through becoming denser, and a surface current flowed in from all sides to replace it. This surface water would be warmed by the sun and slightly higher in temperature than the general body of water. But there are complications arising from the lightness of the fresh water melted from the iceberg which make satisfactory conclusions difficult. A more practical solution in regard to the dangers from icebergs is the agreement between the Board of Trade and the principal Atlantic Lines to join in providing an ice observing vessel fitted with wireless apparatus for keeping in touch with shipping. Scientific observations will also be made by trained observers on board.

Two Commissions appointed by the International Meteorological Committee met in London last September to deal with questions concerning International Weather Telegraphy, storm warnings, and other matters. They recommended, amongst other things, that all ships equipped with wireless apparatus should transmit observations to certain centres at Greenwich noon, and should receive in return forecasts and warnings from those centres. At the British Association, one of the most interesting points dealt with was the velocities of wind at different heights, a considerable increase taking place in the higher positions. The actual minimum rate of wind occurs in September, the rate then rises rapidly to December, and falls rapidly between March and June. It seems rather inconsistent with these statements (which, however, only apply, I believe, to the United Kingdom) to state that a cyclone of unparalleled violence in Canada passed over the city of Regina on July 4, and, though lasting only three minutes and having a width of 300 feet, did immense damage, overthrowing numerous buildings in its course. Such storms have sometimes occurred in Dorset, though not of such magnitude, and when they come usually overthrow any trees in their course. There are references to them in our volumes of Proceedings, the one I best remember having taken place at Ranston, where a path was literally cut through a wood, all the trees in it lying on top of each other. On Mar. 23 last a very destructive tornado did great damage in Nebraska and some of the central parts of the United States, and was followed by the worst floods ever experienced in the Ohio and Mississippi valleys, occasioning great loss of life and property. In a report on extensive observations of trees struck by lightning in the United States, the usual belief that some kinds of trees are more likely to be struck than others is not supported, the conclusion being that the height and isolated position of trees render them more liable, independently of their species. In Europe, oak and poplar are considered more liable, and birch and beech less.

ELECTRICITY.

In Electricity, wireless telegraphy and its developments still continue to hold the foremost place of interest, and though the distances traversed since I last addressed you have not strikingly increased, being about a quarter of the earth's circumference, or 6,000 miles, improvements continue to be made, especially in wireless telephony, which advances slowly. The International Radio-telegraphic Conference, which met in London last June, occupied itself chiefly with regulations for wireless telegraphy on ships, and suggested various rules, amongst others that all ships should be obliged to be fitted with suitable apparatus for this purpose. Perhaps the latest special use of this means of communication is between aeroplanes and earth stations, the distances over which it can be worked reaching at present to 50 or 60 miles. Another application of Electricity on a large scale is carried out chiefly in Norway to produce nitrogenous products, which are in great demand for agricultural purposes, to supply the deficiency experienced in the natural nitre, which has hitherto been sent from Chile in great quantities, but is now becoming used up. Such plant placed near our coalfields might be also desirable for producing nitre for military purposes, should other supplies fail. At Niagara there is a gigantic electric installation for chemical purposes, and England would doubtless follow suit were there more natural mechanical power available. A new use for Electricity is a method of measuring wind velocity by the aid of a small bare wire Wheatstone bridge, having arms of manganin and platinum. The cooling effect of a current of air lowers the resistance of the platinum, but does not affect the manganin, and an increased current is therefore required to effect a balance, the measure of which shews the wind velocity.

CHEMISTRY.

Recent discoveries in Chemistry, chiefly in connection with radium and radio-active substances, have so upset the

established ideas and beliefs in this branch of science that even the foundations on which it rests have been disturbed, and we cannot now talk of atoms as if they were certainly indivisible and constant for each elementary substance, as we have numerous cases of what would have been looked upon as an element turning gradually into some other substance. The old alchymists have been ridiculed for a similar belief, but the day may not be far distant when some commoner substance may be transmuted into gold, as uranium is believed to be finally changed into lead, though further evidence is still wanting. Lately both neon and helium have appeared in vacuum tubes under the influence of X-rays in such a manner as to suggest that they have been transmuted into these elements from other substances, but the cause of their appearance does not yet seem quite clear. Thirty-four radio-active substances are now known, 14 of which have been discovered as such in the last seven years. From calculations which have been made in regard to the heating power of the radium found in rocks, it would appear that the earth ought to be becoming gradually hotter, instead of cooling down, as all geological evidence leads us to believe. This shews either that there are other as yet undiscovered forces at work acting in the other direction, or that there is some flaw in our facts or deductions. There is some reason to believe that radium exists in the chromosphere of the sun, but the spectroscopic indications are somewhat uncertain. On plants radio-active water causes a prompt germination and rapid development up to a certain strength, but beyond this it is harmful. Leaving for the present this very fertile subject of radium, I come to an investigation which will interest more the Antiquarian Members of our Club, namely, the pigments used by the ancients in illuminated MSS. from the 7th to the 15th Century. These include vermilion, red lead, orpiment, ultramarine, azurite, malachite, verdigris, lakes, a Tyrian purple, and an undetermined copper green. These results are being published in detail by the Society of Antiquaries, and may be sometimes useful in helping to fix

the dates of MSS. In connection with colours it may be of interest to mention that a coloured photograph of the moon shews a general surface of olive green with spots which have orange, purple, and blue tones. Attempts have been and are being made to produce a light which shall exactly resemble daylight, and enable certain trades which require daylight to be carried on at other times ; but no perfect success has yet been obtained, though much has been done. The production of india rubber synthetically has been accomplished, at a price to compete with natural rubber, to which it will be a serious rival. Another valuable discovery is that of "non-flaming" celluloid, which possesses all the other properties of celluloid, but burns in a safe manner and is free from the dangers hitherto associated with that substance.

ENGINEERING.

The Engineering subject which is still most occupying public attention is probably aviation, both in regard to aeroplanes and airships, though I do not think that any really important improvements have taken place in either during the past 12 months. But the untried and possibly very important effects which these may have in case of war have given rise to a great deal of discussion and speculation. In the wars that have taken place since their introduction, the opposing forces have not been by any means in the front rank in aviation, and this fact may account for the comparatively small part which it has played in the conflicts—still, aeroplanes have been used with sufficient effect to shew that they are likely to be important munitions of war in the future, both for prospecting and offensive purposes. At the International Aero Exhibition early this year, many different types were shewn. The lifting power of aeroplanes has reached a high pitch, but the lateral stability leaves much still to be desired, and is more or less dependent on the skill of the pilot. Until this has been overcome, either by the

use of separate propellers for vertical and horizontal motion, or by some other device, they can scarcely cease to be a very risky mode of progression. The great disaster which took place in the sinking, through collision with an iceberg, of the "Titanic," a monster ship which was considered to be absolutely safe on account of its water-tight compartments and other precautionary arrangements, and the great loss of life which followed, has caused much investigation into the safety of ships at sea, and various more effective regulations as to lifeboats to be carried, the supply for the Titanic having been most insufficient, and the difficulties of launching them from so great a height as the ship's side being serious. The further subdivision of the watertight compartments for passenger ships is also desirable, so that if two or three are injured the ship may still float. This appears to have been made a special feature of in the "Aquitania," an immense ship just launched in the Clyde, in which there are stated to be 41 watertight compartments in the double bottom and 84 above. A pumping pontoon for the Manchester Ship Canal has been constructed of ferro-concrete, and is the first vessel of this material in this country. At the British Association a paper was read describing experiments on the suction caused by passing vessels, which at distances of less than 100 feet was found to be considerable. Aluminium has presented difficulties in working, especially in regard to being soldered, which cannot, I believe, at present be done successfully; but it can be satisfactorily welded, though its alloys are not so amenable to this process. I have not yet seen or heard a film-parlant or speaking kinematograph, but the difficulties connected with these are said to have been to a great extent overcome, and synchronisation produced to satisfy the spectator's eye and ear. One of the great problems that will have to be faced in the future is a substitute for coal and petroleum, both of which will in time be exhausted. The most promising results appear to have come from the heat of the sun, which in warmer countries has an immense power stored up in it, and has already been used

with success on a small scale. In this country I fear we should be badly off in a year like 1912. The last discovery of petroleum appears to be in New Guinea, where an extensive bed of oilbearing sandstones was found by, I believe, an Australian Expedition to that island.

GEOGRAPHY.

Last year I had to record the successful journey to the South Pole of Captain Amundsen ; this year we can claim the same honour for an Englishman, Captain Scott, but with results to himself and his brave comrades which we all deplore. From his journal we learn all that they did and suffered under a series of difficulties and misfortunes which would seem unusual even in those inhospitable regions, in which, as in the Arctic zone, so many have lost their lives without having had the satisfaction of reaching their goal. Amongst the results of this unfortunate expedition are additions to our geological knowledge of the neighbourhood of the Pole, from whence the party brought back specimens of the rocks, confirming the existence of coal, and exhibiting fossils of Cambrian and other early formations. In the results of the Scottish National Antarctic Expedition there have now been found to be no less than 18 new genera and 263 new species of marine animals collected between the surface and a depth of 2,000 fathoms, the novelties occurring especially at the greater depths.

ANTHROPOLOGY AND ARCHÆOLOGY.

At the British Association Meeting the President's Address in this section consisted of a somewhat speculative discourse on the evolution of man, who, he considered, could be traced

back to an animal something like the little ghostlike tarsier of Borneo and the adjacent islands. The tarsier is a queer little jumping creature about the size of a small rat, with a long tail with a brush on the end, long hind legs, suckers on the tips of its toes, and enormous round eyes. Coming to more recent and undoubted ancestors, a description was given of a fragment of a human jaw found in Kent's Cavern, Torquay, in 1867, but previously undescribed. This was considered to belong to the Neanderthal type, and unless this be so, I believe no Neanderthal remains have been discovered in this country, the ancient skeletons which have been found belonging to a type more like that of the present day, though said to be contemporaneous with or immediately succeeding the Neanderthal race. The great antiquity of the Ipswich skeleton, alluded to in my last Address, which from its position was looked upon as pre-glacial, seems to be only partially accepted, though I do not know that anything has been definitely proved to counteract the positive evidence of the finders. Numerous flints have been found in the sub-Crag detritus bed, to which their finders ascribe a human origin, but about which, as about other Eoliths, there exists a difference of opinion, and their evidence, unless supported in other ways, could hardly be relied on for the existence of man at that period. A very important recent discovery is that of a fragment of a skull, comprising the greater part of the brain case and one imperfect mandibular ramus, which was found near Piltdown Common, Fletching, Sussex, in gravel 80 feet above the present level of the river Ouse. Teeth of elephant, mastodon, and hippopotamus, and bones of deer, beaver, and horse were found near to the human remains, and of the same age. The very thick skull closely resembles that of a young Chimpanzee, with teeth of the human pattern, and is very ancient, though the exact date is a matter of discussion. The forehead is much steeper than in the Neanderthal type with only a feeble brow-ridge. These appear to be the earliest human remains yet discovered in England. Another skeleton, probably of late Palæolithic or early Neolithic date,

was found near Rochester, and on the same level but at some distance from the burial were hearths with charred wood, bones, and flints. Interesting excavations have also been made in Jersey. Investigations into the study of early man in Argentine territory tend to upset the claims of extreme antiquity of man in that region and to shew only the former presence of the comparatively modern Indian race, and nothing seems yet to have been proved as to the existence of very early man in any part of South America. This applies also to the recent discovery of supposed ancient remains at Cuzco, Peru. Two bones of a prehistoric horse have been found at Bishop's Stortford, similar to the discovery made there some years ago. Paintings, consisting of ten red bands about a foot long and one or two inches broad, arranged in a fan-like pattern, and covered by a thin coating of stalagmite, were found in Bacon's Hole, Gower, and supposed to be prehistoric; but further evidence throws great doubt on this assumption. There are many of these caves along this coast, which I used to know well as a boy, and though I never observed any paintings, the stalagmite was in great abundance and apparently still forming, to judge by the dripping state of the cave, so that any paintings, &c., might soon get covered with it. For the first time, clay figures of Palæolithic date have been met with, three having been found in a cave in Montesquieu-Aventés, France. Two of them, 26in. and 30in. long, represent a bull and cow bison, and had been apparently attached to the wall of the cave, the third was more roughly modelled. Many footprints of Palæolithic men and bears were found, and the same cave also contained mural paintings of animals. Near Prerau, in Moravia, has also been found the best carved Palæolithic example known of an ivory statuette of a mammoth, about 4½in. long. Mr. R. Lydekker has described, from an ancient Assyrian sculpture, an antelope of African type, not now known either in Assyria or to science, and Egyptian sculptures of the 6th dynasty have been found of the Dorcas Gazelle, the white oryx, and the Nubian ibex, tied up by

ropes round their necks, suggesting that they were kept as domestic animals at that period. Many interesting discoveries of a later age have been made in a Hittite excavation at Sakje-Geuzi, at Carchemish, in Malta, in Egypt, and elsewhere. In Egypt the earliest type of mummy has been found in 2nd or 3rd dynasty tombs at Sakkara. What appears to be a very valuable work on the pottery and history of the Bronze Age has lately been published, which will have a special interest for us from the fact that the author, Hon. John Abercrombie, spent a considerable time in examining the fine collection of prehistoric pottery in our Dorset Museum. He dates the Bronze Age in this country from about 2,000 to 200 B.C. It has been lately discovered that three large lifts were in operation in the Imperial Palace on the Palatine Hill in Ancient Rome, and that a system of hot and cold water supply, closely resembling our modern arrangements, existed in Pompeii. To turn to present times, a tribe of white Eskimos is reported to be living in the neighbourhood of Victoria Island, who are supposed to be descendants of an ancient Norwegian Colony. An account of white Eskimos was given by De Poincy in 1658, which may refer to the same people. The publication, "Man," for last March, contains an article describing certain obsolete English utensils, and advising the preservation of such things in Museums, as they will before long be unobtainable. There are a good many specimens in our Dorset Museum of things that have recently gone out of use, and they might be added to by our Members. In this connection I may mention one small article which I had never myself heard of except in the song, "My lodging is on the cold ground," namely, a "rush ring," nor did I know exactly to what it referred. But I have lately acquired, and have now brought for exhibition, a deed of 1494 with five seals, each of which was apparently made by taking a small lump of beeswax, perhaps hardened with a little resin and coloured red, in a leaf, and squeezing it into the desired round, flat shape. After this a small ring, made by twisting a rush, was pressed down on the top, and the seal

was impressed inside it. In this case portions of the leaves are still adhering to the backs of the seals, and three of the "rush rings" are *in situ*, the other two having come off. I feel that this must be the "rush ring" of the song, "I'll marry thee with a rush ring"; it is so appropriate in size and otherwise, and looks as if it might have been made round the finger; but perhaps some of our Members more learned in these matters can enlighten me.

GENERAL.

The Royal Society celebrated last July its 250th anniversary, a great number of foreign delegates being present from all parts of the world. In this enlightened age we may sometimes be tempted to undervalue and even to smile at some of the knowledge which passed for science 250 years ago; but we must remember that to start anything that ultimately proves worth having is a much more difficult thing than merely to elaborate something already in existence—the man who draws an original beautiful pattern out of his head shews much greater talent than he who copies it with a few improvements. Even in our own time scientific ideas have undergone great changes by such discoveries as that of radium, and there is no knowing how much the next generation of scientists may scorn the science of 1913, through fresh wonderful discoveries. In one way the early members of the Royal Society differed much from more recent ones—there was comparatively little specialism, but each took a general interest and probably knew a good deal about other things besides his own special hobby. Now specialists seem necessary if any new discoveries are to be made, for the mass of information and literature in all branches is so enormous that no man could probably master it all, and could do but little unless he confined himself to that branch. But it is a misfortune that it must be so, for you cannot draw a

hard and fast line between different branches of science, and each must often suffer if the others are ignored. This point was brought up at the British Association Meeting at Dundee, but I do not see any remedy. On June 26th last, at Cardiff, the King laid the foundation stone of the National Museum for Wales, which is intended primarily, if not altogether, to illustrate Welsh history and Welsh natural history. A new and very useful institution in the British Museum of Natural History is that of a guide, who makes two tours of the Museum daily, explaining the various exhibits. There is also one at the British Museum. A Scottish Zoological Garden has been established at Edinburgh by the Zoological Society of Scotland, and a good site secured; and in the London Zoological Gardens terraces with rockwork are being provided for some of the larger animals, which will be more of an approach to their natural state and shew them better in every way. Sanctuaries for birds, beasts, and flowers have been reserved at Blakeney Point, in Norfolk, a space of about 1,000 acres, also Marsh Island, Louisiana, containing about 75,000 acres, hitherto a great resort of birds, and also of gunners, who slaughtered vast numbers for the markets. In Switzerland attempts are being made to prevent the destruction of beautiful scenery by the setting up of huge advertisements and other things, which take away from its attractiveness. In the earlier days of tobacco, its use was considered most healthy, and even young boys were enjoined to smoke for the benefit of their health. Now the opposite is the law of schools, and this would appear to be supported by an investigation lately made into the advantages enjoyed by smokers and non-smokers in various ways, the non-smokers having distinctly the best of it, both amongst athletes and scholars. An important meeting of the International Time Conference was held lately in Paris, and decided that Greenwich time should be used universally, that signals should be sent out at exact hours from nine stations in different parts of the world, an agreed wave length to be used in the transmission by wireless telegraphy. A medal

has been offered by the Mexican Astronomical Society to any Astronomer who discovers a comet, and I end my Address with congratulations to the recipient of the Wollaston Medal for this year, which has been awarded by the Geological Society to our Honorary Member the learned and veteran Geologist, Rev. Osmond Fisher.





Scando-Gothic Art in Wesser.

By H. COLLEY MARCH, M.D., F.S.A.

(Read 10th December, 1912.)



TWO of the stones that were found in Whitcombe Church last winter have an incised decoration that occasioned, in this room, an interesting conflict of opinion. One expert declared that the design was Saxon, that is pre-Norman, and another said that it was undoubtedly Celtic, and certainly post-Norman.

To give the matter a full discussion is desirable, if not now, on some other occasion when time might permit. But assuredly we should at once endeavour to ascertain the type of this embellishment, to infer the nationality of the artist, and then perhaps, of his work, to determine the date.

What are the characteristics of CELTIC ORNAMENT? The presence of the trumpet-pattern; of the divergent spiral, whether single, double, or triple, which was originally developed in metal-work; of the regular intersections of stepped designs derived from textile fabrics; and of a multitude of intrecci, skeuomorphic, phyllomorphic, and zoomorphic. Such interlacements of animal forms, all biting

themselves or each other, are, however, not truly Celtic, as I have elsewhere shown.* They originated in Egypt, where they had a religious significance, and came, through Byzantium, Italy, and Gaul, to Ireland and Britain, losing by degrees their symbolic meaning, and retaining at last only an ornamental value. But, for us, the most important feature of this type of art is its geometrical basis, the fact that all its details are symmetrically arranged.

In this regard, reference may be made to the Irish Illuminated Manuscripts, the Book of Durrow and the Book of Kells, which are assigned by Haddon and Stubbs† and by Dr. Reeves to the early part of the IX. century. But it should be noted that the pigments used in Irish and in Byzantine manuscripts are precisely the same; that in the Book of Kells may be seen Byzantine arcading; that the phoenix has become a peacock, and represents the beatified soul; and yet that the interlaced *animal* forms resemble designs from the North of Europe.

True *Scando-Gothic art*, on the other hand, is altogether destitute of symmetry, for the simple reason that it is everywhere based on national legend. Always, even through later flamboyant interlacements, one can read the story—the struggle of gods and heroes against the foes of earth and of heaven, against the causes of disaster, destruction, and death, against Midgarthorm, the world serpent, and Fenris the raging wolf.

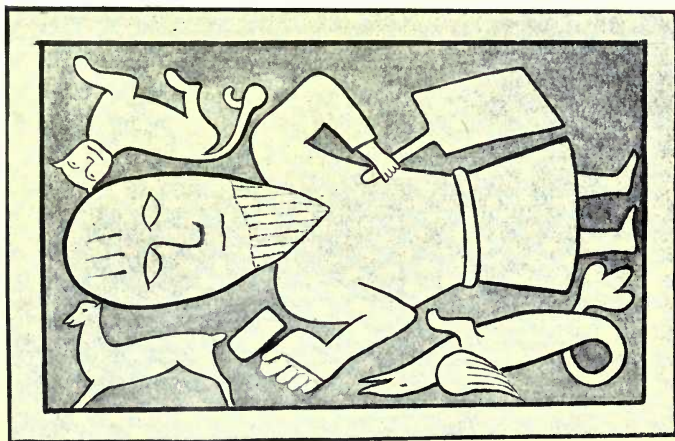
The Danish Monk could not forget them; Norwegian churches, down to the close of the XIII. century, on porch and panel, still told of Fafni and Sigurd; and after such decoration had become little else than an unsymmetrical intreccio, the point of a sword could still be seen piercing the body of a serpent; while to-day, on many a Scandinavian sanctuary, the dragon's head towers far above the cross.

* Proceedings of this Club, Vol. XXI.

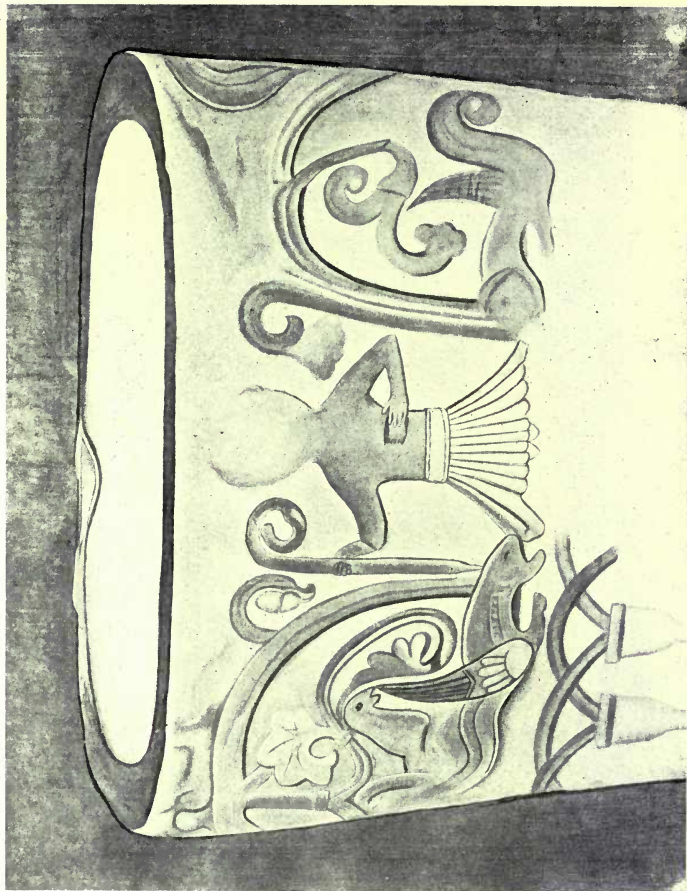
† Ecclesiastical Documents, Vol. I., p. 190.



A.



B.



The most interesting example of this pagan-Christian overlap is to be seen, in the Stockholm Museum, on a circular font of granite. It belonged to the old church at Ottrava, West Gotland, Sweden, and it dates from the close of the X. century.* Its surface is divided into eight fields, and all but one are carved with Christian subjects, like the crucifixion, while the other represents the god Thor (fig. A). Three stigmata mark his brow, the scars of three wounds inflicted by the flint axe of the Giant Hrungni whom Thor slew. In his left hand, as Ruler of the Waves, the god holds his steering-oar, and with his right hand, guarded by his impenetrable gauntlet, he raises, as the Friend of Man, his omnipotent Hammer over the head of a dragon, Midgarthorm; while above are seen, in full flight, Fenris-wolf and Garm the Hell-hound.

It may well be that the inherited faith of Scando-Gothic converts was upheld for a time by the Vulgate translation of the Hebrew Bible,† by the Gothic version of Ulfilas,‡ or by that in Anglo-Saxon of Ælfrie,§ where they would have read “that the Serpent, more subtil than any beast || beguiled our “first mother and was cursed by a deadly mutual antipathy; “She shall bruise thy head, and thou shalt entrap her “heel.”¶ And who, more clearly than an artist from Sweden,

* Ottrava is in the diocese of Skara, where was a great pagan temple, and a Mootplace of the Goths.

† Anno 405. ‡ Made from a Greek original in the 4th century.

§ Circa 990. || Gen. iii., 1, 13, 14, 15.

¶ *Inimicitias ponam inter te et mulierem et semen tuum*

Ic sette feondraedene betpeon þe & þam pife & þinum ofspringe
et semen illius : Ipsa conteret caput tuum

& hire ofspringe : Heo tobryt þin heafod

et tu insidiaberis calcaneo ejus.—Vulgate.

& þu syryst ongean hyre ho.—Ælfrie's version.

Here, the words *insidiaberis* and *syryst* mean trap or ensnare; and in the Islandic Bible, ed. 1747, the words are *þu skalt bíta hann í heelen*—“thou shalt bite him in the heel,” and this indeed, the dragon on the Avebury font seems to be doing (fig. B).

could see “an Angel come down from heaven, with a great “chain in his hand, and lay hold on the dragon, that old “Serpent, and bind him.” *

And what could better suit the Danish temperament than to learn that “Benjamin shall ravin as a wolf ; in the morning “he shall devour the prey, and at night he shall divide the “spoil.” †

The men whom we call Saxons, or Anglo-Saxons, who swarmed over into this country in the fifth century, and were largely converted to Christianity in the sixth, included Jutes and Friesians as well as Angles. A warlike race they were, but not artistic. Their coinage was rude in the extreme. ‡ Their architecture was barbarous, and their sacred edifices were made of wood and covered with reeds and straw. The cathedral church of York, that was constructed by Edwin of Northumbria, fell to pieces in 40 years, and was then rebuilt in stone by St. Wilfred.§ And though they continued to grow in skill, and were greatly helped and instructed by foreign monks, to the very last, until the Norman Conquest, their sculpture and their decorative carvings, destitute of any trace of Folk-lore, not only lacked the element of beauty, but were often truly grotesque.

The Normans, however, were of Scandinavian descent, and promptly on their arrival, as William of Malmesbury tells us, “you might see churches rise in every village, and “monasteries in the towns and cities, built after a style “unknown before.” || But even the Normans placed on their earliest capitals the Hammer of Thor. ¶

* Rev. xx., 1-2.

† Gen. xlix., 27.

‡ Akerman.

§ Anno 670 ; *vide* Lingard, p. 141.

|| *Videas ubique in villis ecclesias, in vicis et urbibus monasteria novo ædificandi genere consurgere.* III. 246.

¶ The Tau-cross (T), the pagan-Christian sign of consecration, as in the early crypt at Canterbury, at St. Nicholas, Caen, &c.

Thorpe, the last translator of what are called the Anglo-Saxon poems of *Beowulf*, * regards the *Scôp* or Gleeman's Tale as an heroic Saga composed in the south-west of Sweden, and as probably brought to this country during the sway and for the delectation of the Danish dynasty.

What interest, he asks, could an Anglo-Saxon feel in any valorous deeds of the Northmen, his deadly foes ; or in the encounter of a Scando-Goth with a fire-drake or a dragon ? And the answer he gives is "None whatever." †

Moreover, *Beowulf*, though he wrote in the Anglo-Saxon tongue and introduced allusions to Christian belief, was himself of Gothic parentage, and lost no opportunity of praising Hermanric, the illustrious Gothic ruler. ‡

The Swedes in earlier days inhabited only the central part of Modern Sweden. It was the Mälär Lake that separated them from the Goths, who, under the designation of Hrethgoths, dwelt along the shores of the Baltic. Reithgotarland was the name for Denmark, and *Beowulf* called the Danes Hrethmen, while the English included in the term "Danes" both Swedes and Norwegians.

When did these pagan Danes begin gravely to harass the Christian inhabitants of Wessex ? When did it first become possible for individual Scandinavians, peaceful and converted, to enter English monasteries ?

It is sad to learn that our own Dorchester is not once mentioned in the Anglo-Saxon Chronicle. We read there, undoubtedly, that in the year 635 Cynegils was baptised by Birinus, the bishop at Dorchester ; § that, in the following year Cuichelm was baptised at the same place ; and that in the year 639 Cuthred also was baptised "on Dorceceastre."

* Published 1855.

† Thorpe, Preface, p. ix.

‡ Ramsay ; Gothic Handbook, pp. 14-16.

§ Cynegils King wearð gefullad fram Berino þam bisceope on Dorceceastre.

And it is true that the eminent antiquary Kemble, in Appendix C to his work on *The Saxons of England*,* assigns the Dorceceastre, of the three years just mentioned, to Dorset, although he remarks of the Dorceceastre in Oxfordshire that "it was for some time a bishop's see for Wessex."

Any doubt as to Kemble's error is dissipated by a reference to Beda, who records that "the two Kings (Oswald of Northumbria and Cynegils the subregulus, after his conversion) gave to the Bishop Berinus (who had come to this country from Pope Honorius in the year 634) the city called Dorcic, there to settle his episcopal see."† Stevenson, the editor of the Latin translation of Beda for the "English Historical Society," as well as of the English translation of "The Church Historians," together with Bishop Stubbs, both agree that this Dorchester was in Oxfordshire.

Beortric succeeded to the Kingdom of the West Saxons in 784. The Anglo-Saxon Chronicle relates that, in the following year, "Pope Adrian [the First], in order to renew, in England, the Faith and the Peace, sent messengers from Rome, who were received with honour. And in 787 there came in three ships for the first time [to Wessex] Danish men. And the Reeve rode to meet them, thinking to drive them to the King's Vill, but they slew him."

With this account, which names no places, that by Florence of Worcester agrees; but Ethelward ‡ tells us that "the Northmen landed on Portland, and that Beaduheard the King's Reeve happened to be staying in Dorchester. Apprised of the invasion he rode hastily to the port, thinking the Danes to be traders rather than pirates, and ordered that they should be forcibly conducted to the King's Vill.

* Vol. II., p. 553.

† Ða sealdom him & geafon þam B. (isceope) began ða cýningaseardung stowe & biscop setl on Dorceceastre [Beda III., 7].

‡ Proem to Book III.

“ But they fell upon him and his retinue and put them all
“ to death.” *

The Anglo-Saxon Chronicle further relates that in 833

“ King Ecgbright fought against the crews of thirty-five ships at
“ Carrum [Charmouth] and after great slaughter the Danes held the
“ field.” “ In 835 they landed in Cornwall and joined the Welsh
“ [or British] forces ; but Ecgbright fought against them at Hen-
“ gestedun [Hingston Down] and put them all to flight.” † “ In
“ 836 Ecgbright died, and his son Æthelwulf succeeded to the kingdom
“ of the West Saxons. In the following year the Ealdorman Wulfheard
“ fought at Southampton against the crews of thirty-three ships, and
“ after great slaughter gained the day. And in the same year the
“ Ealdorman Æthelhelm, with the Dorset men, fought against a
“ Danish army at Portland, and for a good while had the better of it ;
“ but the Danes held the field, and slew the Ealdorman.” ‡

“ In 840 King Æthelwulf fought at Charmouth against the crews
“ of thirty-five ships, and was defeated.” §

“ In 845 the Ealdorman Eanulf with the men of Somerset and Bishop
“ Ealhstān, and the Ealdorman Osric with the men of Dorset fought at
“ the mouth of the Parret (in the Bristol Channel) against a Danish
“ Army, and defeated them.” ||

“ In 851 the Ealdorman Ceorl, with the men of Devon, defeated the
“ Danes at Wieganebeorh ” [perhaps Wembury on the coast.]

It should be noted that “ in the same year came three
“ hundred and fifty ships of Danes to the mouth of the
“ Thames.” And this was part of the fleet of Rōrik, a
nephew of the Danish Harald Klak who, in 826, had received
baptism. ¶

We may suppose, then, that some of the Danes *coming* to
this country were no longer pagans. And we may suppose,

* The King's Vill or town at this time, 787, was probably Wareham, though Æthelstan's concession to Middleton is stated to have been given, Anno DCCCXLIII. [more likely 939] “ in villa regali quæ dicitur Dorcastri.”

† See also Fl. Wig. ‡ See also Fl. Wig.

§ See also Fl. Wig.

|| See also Fl. Wig.

¶ Lappenberg, II., 22.

further, knowing as we do the passion of Christians to make converts, that all through these wars in Wessex many of those Northmen who surrendered as hostages, as well as those who were taken prisoners, would receive priestly attention, and would be glad enough, in some cases, to enter the safe service of a monastery.

Asser tells us that "in the year 876 a pagan army under Guthrum, Oskytel, and Anwynd, entered a castle called Wareham, where there is a monastery of holy virgins, between two rivers Fraun [Frome] and Trent in the Saxon district Thornsæta [doubtless Dornsæte, the people of Dorset] placed in a most secure situation except that it was exposed to danger on the western side, owing to the nature of the ground." [Fl. Wig. calls the rivers Fraw and Terente.]

With this army King Alfred made a solemn treaty that they should depart out of his Kingdom. And they gave hostages and swore an oath over Christian relics. * But at night these pagans sallied forth and slew all the King's horsemen, and went to Exaenceaster. And thereafter, as Lappenberg remarks, Exeter and Wareham became the chief centres of attraction for the Danes. †

In the year 877 ‡ a great storm drove the Danish fleet [perhaps on its way to Wareham] into Swanewic, or Swanage, and the crews landed. And King Alfred, endeavouring to attack them, rode after them as far as Exeter, where he

* The Anglo-Saxon Chronicle says "they swore on the holy ring," on þam halgan beage; and Prof. Stevens is doubtless right in taking this to mean "the holy ring of Thor." (Thunor the Thunderer, p. 40.) Such a ring of silver, which must weigh not less than two ounces, lay on any altar that was dedicated to that god, and was used by the priest in administering an oath. That this ring, through which the attestor passed his hand, was really a torque or bracelet is shown in the Eyrbyggja Saga, where it is called *móttlauss*, meetless, joinless.

† Vol. II., 50.

‡ A. S. Chron.



D.



C.



found they had made themselves secure in their fastness.* But in the following year, in Wessex, in Devon, a pitched battle was fought, for which King Alfred had made great preparation. And he defeated the Danes and took from them a standard which they called the Raven. And Asser tells us that they claim it to have been woven in one day by three daughters of Lodbrok ; and that when the Danes were to be victorious the ensign fluttered like a living thing, but hung motionless before defeat.†

The Raven was Odin's Mark, the Holy Bird of Odin, who was called Hrafna god, the Lord of Ravens. Their croaking betokened disaster, and they fed on the slaughtered foe. We see the legend on the Avebury font (fig. B).. And it is not difficult to suppose that the place in Wilts once called Hraefnesbyrig, and now Ramsbury, owes its name to a conflict where the Danish flag once flew, and where a dragon's head can still be seen amidst the unsymmetrical Scando-Gothic intreccio that used to decorate a cross (fig. C). And within ten miles of Ramsbury are the remains of Wolfhall, called in Domesday Book, Ulfela, which is the Gothic diminutive of Wolf.

And the baptism of Danes continued. In the same year when their standard was taken in Devon, in 878, King Alfred, with the men of Hants, Somerset, and Wilts who had assembled at the Stone of Ecgbright [Brixton (Deverill)], marched to Edington [near Westbury] and defeated the

* hie on þam fastene waeron.

† Asserii Annales—Scriptores XV., p. 167.

. . . ibique acceperunt spolia non minima, in quo etiam acceperunt illud vexillum quod Reafun [Ræfn] nominant. Dicunt enim quod tres sorores Hinguari & Aubbæ, filiæ videlicet Lodebrochi illud vexillum texuerunt & totum paraverunt illud uno meridiano tempore. Dicunt etiam quod in omni bello ubi præcederet idem signum, si victoriam adepturi essent appareret in medio signi quasi corvus vivus volitans ; si vero vincendi in futuro fuissent, penderet directe, nihil movens. Et hoc sæpe probatum est.

pagans under Guthrum, their King. And then, with thirty chosen men, Guthrum came to Alfred and was baptised. The holy chrism was poured upon him at Aller, near Athelney, in Somerset, and Alfred was his sponsor, when Guthrum received the name of Æthelstan. And the chrismal fillet was removed, eight days after, at Wedmore, Alfred's Vill.* Subsequently a treaty was made between the two Kings, which determined the boundary between Wessex and East Anglia which for fourteen years had been in the possession of the Danes; whilst another enactment ensured a continuance of the spiritual dignitaries in that province under the suzerainty of Wessex. †

But, with other Danes, other battles had to be fought—in 980 at Southampton, in 981 in Cornwall, in 982 in Portland, in 988 at Watchet, in 997 in Devon, in 1001 and 1003 at Exeter.

And now, in spite of the fact that Norse converts sometimes assumed, on baptism, Anglo-Saxon names, is there any direct evidence that in the years we have spoken of, Danes were living in Wessex as citizens and as monks? Yes; a good deal. Professor Anderson ‡ makes the luminous assertion that “when þur, or Thor, appears in compound “names in Anglo-Saxon deeds or charters which pretend to “be older than the Danish invasion of the IX. century, it is “a sure sign of forgery.” From this, two inferences are inevitable; first, that such forgeries were the work of Danish monks; and second, that in Wessex all such names of persons, at whatever period they occur, belong to Norsemen. But we may extend these inferences to other patronymics, such as those compounded of Rafn, raven; and of Ketill, the Holy Cauldron used at sacrifices, and as sacred to the Scandinavians as the Chalice is to us.

* his crism lysing waes æt Wedmor: A. S. Chron. See also Asser.

† Lappenberg II., 56, 58.

‡ Norse Mythology, p. 459.

And we must include in this list of appellations, besides the names of well-known Visigoths, those that are to be found in the *Landnamabok*, which, with an account of the discovery and settlement of Iceland, contains a record of the families who lived there. *

Armed with these weapons we may now advance. There were ten bishops of Ramsbury—from 909 to 1045, when the last was consecrated, and he died in 1078. Of these we may say, with some show of reason, that four were Anglo-Saxon and six were Scando-Gothic.

Ethelstan	.. 909	A Saxon.
Odo ..	.. 927	Oddi and Oddr, common in <i>Landnamabok</i> .
Aelric	..	Contraction of Egill-rik, common in <i>Landnamabok</i> .
Osulf	.. 952	A Saxon.
Elfstan	.. 974	Corruption of Eyulf and Eyólf (Wolf), Old Norse, common in <i>Landnamabok</i> .
Wulfgar	.. 981	A Saxon.
Siric..	.. 985	Contraction of Sigeric, <i>Liber Vitae Eccl. Dunelm.</i> a monk. A subregulus, a Thane, in Wilts, 901. <i>Kemble's Codex Diplomaticus</i> .
Elfrie	.. 990	cf. Elfstan. Eyólf. Old Norse.
Brihtwold	..1005	A Saxon.
Herman	..1045	Gothic, Hermanric, or Ermanaric, a Gothic King. Hermandr, common in <i>Landnamabok</i> .

An important and convincing charter, not quite too late for our purpose, is one under the hand of Cnut King of England, Denmark, and Norway. He was born 994 and died at Shaftesbury 1035. He was baptised when under 20 years of age, and

* The author of this work was Sturla Thortharson, a judge in the Higher Court, who died in 1284.

received the name of Lambert, and almost at once invaded this country, when perhaps he constructed, or renewed, our own Lambert's Castle. In 1024 he gave seven hides, or 700 acres, of the cultivated land of Portesham, together with tenants' houses, to his servant and friend [ministro atque amici] Orc or Orey, who lived (at Abbotsbury) two miles away, with his wife Thola. Orc was not a *frater religiosus* but a Housecarl, a steward of Cnut's mansion, and his name is Norwegian, from the Old Norse Orkn, a grampus or seal, and his wife's name, Thola, is an abraded form of Thorleif, "a relic of Thor," and so is allied to Thora, the name of Lodbrok's wife, who was the heroine of a well-known dracontine legend.

Of the 36 signatories of Cnut's charter, some, perhaps, had changed their Danish names on baptism, but many have distinctly Scando-Gothic patronymics, thus :

Hacun, dux. Hacon was a King of Norway.

Thorth, minister (or military servant), compare with Thortharsen, a Norse name.

Thurstan ,,

Thurgod ,,

Thureyl, hoga, minister. This is a contraction of Thureyl. Hoga is "a hill" where, perhaps, Thureyl lived. At a witenagemot held at Cheddar, in Somerset, anno 968, an Abbot called Thureyl was present. Ulfeytel was a common name for monks.

Kartoca, minister. Kar is frequent in Landnamabok

Tovi ,, Tofa occurs ,, ,,

Tovi hwita ,, ,, ,, ,, ,,

Bovi ,, Bodvar occurs ,, ,,

and may be compared with the name Bovey, local and personal, in Devon.

Among the many manors that came into the possession of this Abbey were one in Ramesbere and one at Odstoke, in Wilts.

The last Abbot of Middeltun was Agelricus [Egelricus, or Egeilricus]. The name Egill occurs frequently in Landnamabok, and Agila was a Visigothic King.

In conclusion, we may look again at the drawings on the wall, in order fully to realise the links of a remarkable chain of Scando-Gothic art. We can begin with two fonts, one in Gotland (fig. A) and the other in Wessex (fig. B), each adorned with a dragon that resembles the other so closely that they must have been sculptured, if not by the same hand, then by a monk of the same nationality and almost of the same period. And each dragon is being assailed, one by a Christianised Thor with his Tau-cross and the other by a Christianised Sigurd with a pointed Crozier; and a Raven is ready to devour the carrion.

Then we come to the fragments of two crosses. On the one at Ramsbury, in Wilts, we see a serpent's head among the asymmetrical coils of its death-struggles (fig. C), and on that at Whitcombe in Dorset, amid similar throes, if we cannot see the head we can recognise one of the limbs of the dragon's writhing body (fig. D).

And then at last we arrive at Milton Abbey, but only to witness a typical intreccio, in which the characteristic art remains, but the legend has vanished.

APPENDICES.

I.

In founding Milton Abbey, Æthelstan gave "*duas hidas terræ cum pertinentiis suis apud Wydecombe.*"

The signatories were

Wulfhelmus Dorobernensis (Winchester), Æthelredus, Cenwaldus, Ælfredus, Cayman, Egwynus, Radulphus, Brinstanus, Ælla (or Alla) Osferdus, Ælfledus, Æthelmundus.

Acta est hæc nostra donatio et concessio. . . . anno DCCCXLIII., in villa regali quæ dicitur Dorcestria. [Kemble, in his *Codex Diplomaticus*, gives as the true date 23 April, 939. The Anglo-Saxon version, which he dates as 16 April, 928, bears the same Latin conclusion as the above. The name Alla would seem to be Gothic, as in Alaric, from Alareiks: All-ruler.]

II.

Domesday Book gives the following, under "Abbatia Middel-tunensis": Ipsa *Æcclesia tenet Widecome*. T.R.E. geldabat pro VI. hidis. Terra (cultivated land) est VI. carucatarum (a hide or carucate is about 100 acres). De ea sunt dominio IV. hidæ, et ibi I. car. et II. servi (bondmen) et VII. villani (laborers) et V. bordarii (cottagers) cum III. car. Ibi V. acræ prati, et pastura XIII. quarenten. long. et II. quarenten. lat. (a quarentena is 40 perches, and one perch is 20 feet).

Valet IV libras et X solidos.

It may be well, in a POSTSCRIPT, to call attention to a font (fig. E) in the church of St. John the Baptist at Stone, near Aylesbury. The sculpture has been said to represent the Three Persons of the Christian Godhead; but who can seriously contend that a Ravenous Bird is the Holy Ghost, or that an Undraped Warrior, with a bitten hand, is the All Father?

On a Golden Horn, of the IV. Century, found in North Jutland, are similar nude persons, who wield precisely similar swords, and who are surrounded by similar snakes and fishes.*

The legend on this Christian font is a pagan overlap. In the centre of the sculptured group stands the god Tyr, or Tew, whose name is preserved in our "Tuesday." A son of Odin, he was the most daring and intrepid of all his fellows. He was the inspirer and protector of brave men, and was called "the one-handed god of War."

We read in Snorre's Edda how Fenris-wolf was bound. The gods craftily promised, when called upon, to loose his fetters. But he said "First let one of you lay his hand in my mouth, as a pledge that you are not deceiving me." And Tyr was the only one who had the courage to do so. Then Fenris-wolf struggled in vain to get free, and all the

* Stephens' Handbook of Runic Monuments, p. 85



E.

gods laughed at him, except Tyr indeed, who lost his hand.*

Thereupon a sword was thrust into the Wolf's mouth in such wise that while it pierced up to its hilt his underjaw, its point reached his palate.

And the sculpture on the font shows one of the gods preparing to do so, whilst the hungry raven is eager to devour the flesh of the doomed monster, whose knotted tail shows that he is hopelessly bound.

The Scando-Gothic Monk has Christianised Tyr into Christ, Who, though He grievously suffered in His conflict with the Powers of Evil, was finally victorious, aided by His faithful followers, who are represented by the lower and smaller human form. Christ, raising His sword over the terrified head of a worse foe than a lion, is treading upon an asp.† His valiant disciple stands upon *a single leaf*, and its nervature and shape strengthen the assumption that it belongs to the *Laurus nobilis*. The branches of the Baytree have long been regarded as Victory's attribute. They graced the brows of Heroes. In Sicily they were a security against thunder and the thunder-bolt. Among the Greeks they were used as a charm against poison and witchcraft, and, as a token of the Resurrection, they are still strewn over the floors of churches on the day before Easter Sunday. And, not a little remarkable, in the present interpretation, is the statement made by Pliny that "the Laurel is the only one among all the trees *a single leaf* of which has a distinct name of its own, *laurea*."‡

The three decorative interlacements may indicate a Byzantine influence. Such designs had much vogue in Italy during the VIII. Century, and were brought to the north of Europe by Italian Monks. The intreccio that runs

* See also *Loka-senna*, 38; *Corpus Poeticum Boreale* I., 106.

† Ps. xci., 13.

‡ *Naturalis Historia*, xv., 30.

round the rim of the font is threefold, and represents the Trinity in Unity; that on the (heraldic) right, having neither beginning nor end, means Eternity; whilst the other, an endless band interlacing a circle, teaches that Infinity is controlled by a Unity. And how effectively this Eternal Power coerces and restrains all pernicious beings, whether human or bestial, is made manifest by their tortured and woebegone faces.

Quatrefoils and other floral details, when not purely decorative, may indicate the Rose of Sharon.

Fishes, though pagan in origin, often find their place in Baptisteries and on fonts, since they represent the children of Regeneration.*

Indeed, at Saint-Germain-des-Près, in the chapel which contains the font, are sculptured two sirens, one female and the other male and bearded. Both of them hold fishes in their arms, and other fishes play in the surrounding waters.†



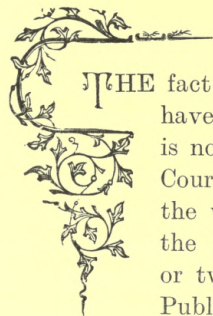
* Nos pisciculi secundum ICHTHUN nostrum Jesum Christum, in aqua nescimur, nec aliter quam in aqua permanendo salvi sumus.—Tertullian, De Baptismo, Cap. 1.

† Didron's *Christian Iconography*, edited by Margaret Stokes, Vol. I. p. 346.



Dorset Assizes in the Seventeenth Century.

By F. J. POPE, F.R.Hist.S.



THE fact that the Assize-Records of this period have been but little used for historical purposes is not surprising. So long as the books of the Court remained in the custody of the clerks of the various circuits, they seldom or never saw the light, and it is only within the last year or two that the transfer of the books to the Public Record Office has rendered them easily accessible. The maxim that "Record-makers are not good Record-keepers" seems true at least as regards these books, of which only a remnant still exists. The Bail Books for Dorset do not begin till 1654, the Gaol Books not till 1670, while the Order Books cover only the period 1629 to 1687, with a gap during the Civil War, 1642 to 1646. The first are of no great value, merely containing the names of a certain number of Dorset people and indicating some of the less serious indictments. The Gaol Books are of greater interest, since they show the crimes prevalent in the county and the punishments inflicted. The Order Books deal with a great variety of subjects, including matters connected with

general administration, and are perhaps the most valuable of the series. The material for this paper has been derived from these Assize-Books and from a few references to proceedings at the Assizes scattered through the Domestic State Papers. Of civil suits there are no records except some Postea Books, which, since they give only the bare titles of the suits, seem to be of no value for any purpose. There being a preponderance of references to crime in the records which survive, it will be desirable to deal first with such criminal matters as came before the Judges.

It must be confessed that the Gaol Books form somewhat dry reading. At Assize after Assize comes the same dreary record of murder, stealing of sheep and horses, highway robberies, burglaries, and larceny, interspersed of course with entries relating to less common offences. Sometimes murder cases were especially numerous (there were seven in the Autumn of 1679), and at other times the criminal class seems to show a particular tendency to appropriate other people's sheep or horses. The most distressing feature of the tale of crime in Dorset at this period (no doubt it was the same in other parts of the kingdom) was the great frequency of murder of infants by their mothers, generally with the assistance of one or two other persons. The punishment meted out by the Judges naturally varied with the circumstances. The death sentence was carried into effect for murder, sheep-stealing, horse-stealing, highway robbery, and burglary, and there are isolated instances of the same penalty for picking pockets and for stealing a watch; but there was no invariable rule, and many a perpetrator of grave crime escaped with his or her life. Some of the unhappy mothers to whom allusion has been made, and whose children presumably died of neglect, received no other punishment than a few weeks in the house of correction, and others who, since they were sentenced to be hanged, were surely guilty of wilful murder, were respited and either transported or pardoned after a few months in prison. Such commutation of the death-penalty was frequently granted to all kinds of felons, and a common method

of exercising leniency was to admit the criminal to "Benefit of Clergy." Above the entry of such an one in the Gaol Book may be read two sentences in contracted Latin signifying "Asked for a book" and "Read as a cleric," and in the margin is written the word "Clergie." And this loophole of escape was, if offered, open to all men and, towards the end of the century, to women also. The test of reading, as appears from text books on the subject, consisted in repeating, with open Bible in hand, the 1st verse of the 51st Psalm, appropriately called "the neck verse,"—a feat which, it would seem, could easily be accomplished even by the most illiterate. The names of scores of persons may be found in the Dorset Gaol Books who, as was pretended, saved their lives in this fashion. All were branded in the hand, the letter "M" being used for murder, and "T" for theft. A gentleman named John Davis, who in 1671 was found guilty of the "murder" of Mr. John Dawbeny by striking him with a stone, was allowed the "Benefit" and branded, but suffered no other punishment. And a man, convicted of no less than seven cases of sheep-stealing, was also found to be a cleric. Sheep-stealing, it may be remarked in passing, was often carried out on a large scale. In 1642 a thief stole as many as 70 sheep from the common fields of Nether Cerne, and there was nothing unusual in a conviction for taking a couple of score or more,—sufficient, it may be observed, to bring small stockowners to ruin,—and in all likelihood the depredators were frequently not discovered. In pronouncing sentences, Judges were much influenced by the money value of goods stolen. Two burglars, who entered a house with intent to steal but got nothing, were fined 40s. each, and in a similar case another burglar paid but 10s. One who broke into Sir John Strode's mansion house (? at Parnham) and stole 31 bottles of claret was condemned to death, but respited on his expressing "his desire to be transported." Culprits of smaller offences, such as taking a neighbour's pigs, poultry, or small personal belongings were almost invariably whipped. It is a somewhat extraordinary fact that while sheep-stealing

was often punished by death, pig-stealing was treated as petty larceny.

Three or four deeds of violence are recorded, which must have made considerable stir in the county at the time of their occurrence, and thus call for particular mention. When we read in the Gaol Book for 1684 that Matthew Burt, charged with murder, pleaded guilty to the homicide of John Collingdon with a fowling piece, and that Burt had "Benefit of Clergy," and except for branding went scot-free, we see nothing remarkable in the entry. But when we know from other records that Matthew Burt, a yeoman of Mapperton, suffered from a load of debt and that his neighbour John Collingdon was a bailiff, there naturally follows the conjecture that the bailiff was shot in an attempt to arrest Burt for debt. An incident which happened just beyond the Dorset border, at Crewkerne, suggests that the courts regarded bailiff-shooting under such circumstances as an almost venial offence. At Crewkerne Fair in 1597, as appears from some proceedings in the Court of Chancery, a bailiff named Fox tried to arrest Thomas Merefield, who shot and killed his would-be captor without serious consequence to himself. In fact, Merefield duly received his pardon. But this was not the end of the matter. Thirty-six years later, in 1633, some members of Fox's family contrived to have Merefield arraigned for the murder at the Somerset Assizes, when the Grand Jury ignored the bill, and the dead man's relatives were promised imprisonment if they troubled Merefield again. It should be observed that neither Burt nor Merefield was in a position to exercise influence in high places, and neither was capable of raising a large sum of money for securing favourable treatment.

Next may be mentioned two highway robberies, one in 1674 and the other in 1696. In the former year the Exeter carrier called "Mr. John Mathew," coming from London, was stopped near Milborne St. Andrew by four men, who took over £800 from the waggon and decamped. Mathew followed the robbers until they told him that "hee should

leave them unles hee would loose his life before his time," on which the unfortunate carrier went back to his waggon. It was considered that the robbers showed remarkable boldness, owing to the fact that the Judges on their way to the Assizes at Dorchester had passed the spot only half an hour previously. A coachman named Kinge was suspected of being concerned in the robbery, but was acquitted at the Assizes, and neither robbers nor money were ever discovered. The perpetrators of the other highway robbery in 1696 were not so lucky. On this occasion William Sampson, John Dampier, and Robert Everett were escorting a horse carrying £750 of money belonging to the Royal Treasury (probably tax money) on the King's highway, when a party of four descended on them and carried off the whole of the treasure. It must have been evident that somebody had to suffer for such a daring exploit, and three men (it is to be hoped they were the real culprits) were hanged for the robbery and one transported. It is a curious circumstance that the three tax-gatherers (if such they were), shortly after losing the money entrusted to them, met with another gang of thieves who relieved them of the horse, some small sums of money in their pockets, and, attracted by some silver buckles, left one of the wayfarers shoeless.

Perhaps the most remarkable crime recorded in the Assize Books was the murder or manslaughter of Robert Knight, a collector of hearth tax at Bridport. In an Order Book under the date 1668 it is stated that a large number of Bridport people had a share in the matter, and that some of them had been indicted, some were in gaol, and others had not been discovered. An inquiry was to be held by certain Justices, a Coroner, and some officials of the borough. The result of the inquiry does not appear, but a letter among the Domestic State Papers throws some light on the affair. The writer says

"From first entring into the Towne the greatest part of the Towne, men, women, and children, followed them (the tax-collectors) about the streets throwing stones at them, and little appearance of the

magistrate to quell the Tumult. One stone from them hitt Mr. Knight, one of the hearth men, upon the forehead and knocked him downe, risinge againe another stone hitt him in the hinder part of the head and soe was caryed into a howse and the same day seven night dyed of the wound. Its said all this designd before ther comeing and the non-appearance of the magistrate shows it too much."

There being no Gaol Book of this date, no information is available as to how all these people of Bridport were dealt with, but the Bail Book for 1668 gives the names of some half dozen men of Bridport who were admitted to bail, perhaps charged with participating in the attack on Knight. Some of the names were, and still are, well known at Bridport.

Among the less frequent indictments may be included those for arson, the illegal export of wool, cheating, vagrancy, witchcraft, offences against the Church, the passing of false coins, clipping coins, sedition, and high treason. A woman who in 1684 burned a dwellinghouse was executed, but another who a dozen years later, wishing to destroy her neighbour's houses, adopted the curious expedient of setting fire to her own house, was fined 20 nobles. Vagrants received very stern treatment. In 1657 two very dangerous and suspicious men were to be taken by the Sheriff to Shaftesbury and "there be whipt on their naked backs until they bleed and from thence be sent from tythinge to tythinge by passes to the severall places of their births." Some of these wanderers, had travelled far from home. A family of four adults and four children had come from Derby, and another vagrant, Dunkin Mackanon, was a Scottish highlander. They were usually branded on the left shoulder "according to law." There are but three references to witchcraft. Alice Abram *alias* Browning, of Tolpuddle, said to be a witch, was in 1655 admitted to bail, eleven men of the neighbourhood being bound over to prosecute. A little later, in 1660, a committee was appointed to enquire with all speed into "the busines concerninge witchcraft and consultacon with the Devill and Evil Spirits at Sherborne." The latest mention of witchcraft occurs in 1687, when Deanes Grimmerton, accused of

bewitching Nathaniel Scorch, was apparently acquitted. For speaking against the Church in 1673 a fine of 3s. 4d. was imposed, but even this small sum was remitted ; and by way of contrast it may be stated that absence from church for three weeks was punished by a much heavier fine, 26s., and that three men who in 1675 had worked on "The Lord's Day" were kept in prison till the following Assizes. Cheating and uttering false coin were not considered serious crimes, but the clipping of coin was a very different matter, constituting in fact an act of high treason, and clippers were always drawn and quartered.

It will be convenient for present purposes to take the more important cases of sedition and high treason together, although in legal eyes they were of course by no means the same thing. Probably many Dorset men were implicated in Penruddock's rising in Wiltshire in 1655, and the names of a few occur in the Bail Books of 1655-6, the most prominent being Roger Coker, of Keyneston, and Thomas Bragge, vicar of Horton. In Charles the Second's reign there is nothing but a few paltry accusations of speaking seditious words, and a prosecution of 14 men for joining in a seditious assembly at Sherborne in 1674. It is not until the coming of the Duke of Monmouth that there is anything worth recording, and then in the Gaol Book of 1685 may be found page after page filled with the names of those indicted for levying war against the King. So much has been printed respecting the Monmouth rebels, that it will be sufficient to note here that the charges of levying war number 321, and that opposite 57 of the names is drawn a hieroglyphic resembling a wheel, the words "Ts et Ss," signifying that these 57 wretches were drawn and quartered. But, besides the actual rebels, there were 21 convicted of lesser offences in connection with the rebellion, such as spreading false news, uttering seditious words, recruiting for the Duke's forces, or entertaining rebels. The false news was generally to the effect that the King was dead, or that Monmouth was not dead and would come again, and in an utterance of Thomas Pitt's we have a specimen of the rumours

that were flying about the country. "Hampshire," he related, "is upp in armes for the Duke of Monmouth. I saw both horse and foote souldiers on the hill neere Christchurch. Argile is much increased in strength and is on his marche in England and within lx miles of London." Sedition of this petty type was in most cases expiated by a whipping and a fine of five marks, but for some reason a few speakers of sedition were subjected to the pillory. William Dowell was sentenced to remain an hour in this instrument of torture in each of the towns of Dorchester, Sherborne, and Cerne Abbas, and a member of a notable Weymouth family, Henry Cuttance, suffered similarly at Melcombe Regis. Hugh Green, a gentleman of Nether Compton, was fined £3 for reading the Duke's Declaration in public, and compelled to find bail for good behaviour during the rest of his life. In the year following the rebellion, two men, who cut down rebels' quarters, were pilloried for an hour on a Saturday at Dorchester. At the accession of William and Mary there were still a few of the rebels in Dorchester Gaol, and these were at once released, the flight of King James coming in the nick of time to save at least one of them from transportation. Later than the Monmouth Rebellion there was little inducement for Dorset folk to join in treasonable or seditious practices, but in 1689 one William Clarke was so out-of-fashion as to announce his love for the expelled James in these words: "King James, a poore innocent harmless King was wrongfully driven out of his Kingdom by a company of Rogues and Traytors that did endeavour to destroy King and Kingdom. I will list men to fight for King James and restore him againe. A health to the late King James and Prince of Wales, and confusion to the other. King William is a rebell and have noe right to the Crowne." The Court could afford to treat the Jacobite with leniency. He had to pay five marks, and was kept in prison for a short time.

Before leaving the subject of crime, it will be well to mention that, although it is impossible to gauge the amount of crime that went unpunished, it was undoubtedly very large.

Indications of this may be found in the considerable number of bills thrown out by the Grand Jury, and in the not infrequent fines inflicted on tithings for suffering the escape of murderers, who were moreover known and named. The fines were collected by distraint, or threat of distraint, on one of the principal inhabitants, who was allowed to recoup himself in part by levying a rate on his neighbours.

Attention may now be directed to the work carried out at the Assizes in connection with the civil administration in the county, as depicted in the Order Books. The orders refer to disputes between parishes as to the settlement of paupers, refusals to take apprentices appointed by parochial officers, the repair of highways and bridges, the erection of cottages without sufficient land attached, the appointment of coroners and of constables of Hundreds, suppression of alehouses, and some other subjects which can hardly be classified. One of the disputes concerning paupers is perhaps worth a passing notice. Robert Way was born at Wimborne, and eighteen years later went beyond the seas, but returning again to his native place, lived there for some short time, and then moved to Ringwood, where he rented some land, and at Ringwood Way fell on evil days and seemed likely to become a charge on the parish. Under these circumstances, the people of Ringwood drove Way out of their town, and put pressure on his landlord to prevent the (possible) pauper being brought back. The Court decided that Ringwood would have to maintain Way if the necessity arose. Disputes of this kind were exceedingly frequent, and indeed the whole subject of pauperism must have been one of the most pressing problems with which the authorities were confronted. In 1635 a large number of the inhabitants of Sturminster Marshall were turned out of their houses, the result, it may be imagined, of a quarrel about the title to an estate, and were living under hedges, and were "like to perish for want of succour." Two Justices were ordered to make immediate arrangements for their relief. The apprenticing of poor children was also the cause of a good deal of trouble, for employers naturally

preferred to choose their own apprentices, and objected to the coercion applied by the overseers. Henry Stone, of Minsterne, was paid 40s. for taking from the parish a boy who turned out to be a bad character. He stole £5 from his master, and was in consequence burned in the hand and put in prison. Stone was then ordered to pay back the 40s. to the parish, and the boy was to remain in prison until the parish found him another master. Refusals to take such apprentices were evidently justifiable in some cases.

When roads or bridges fell into disrepair, the authority of the Assize Court was often employed to enforce the duty of putting them in order. Both owners and occupiers of land had a custom, when troubled with surplus water, of diverting water courses into highways, the consequences being decidedly unpleasant for travellers, and the offenders, whatever their social status, were promptly called to account. The responsibility for the repair of bridges was sometimes a delicate question, depending partly on ancient custom. In or before 1636 there had been a process against the Hundreds of Badbury and Cogdean for the repair of Julian Bridge. In 1647 the inhabitants of Wareham were presented at the Assizes for not repairing the south bridge of their town, "being a very great bridge consisting of seaven arches and of a very great length," and later the Wareham people petitioned that the work might be done by the county. An enquiry into the matter was to be made by two gentlemen of the Grand Jury. In the same year a sum of £80 was to be raised by the county of Dorset to repair the "Common bridge over a great river near Yeovil," broken down by soldiers during the Civil War, whereby the lives of travellers had been endangered, some of them falling into the river. It is added that the road served by the bridge is the great road running from the West to the City of London. Other County bridges referred to are Craford Bridge (in 1640) and Stocking Bridge (in 1641). There is also mention of a few parish bridges, viz. : Julian Bridge and Fivebridges in Sherborne Hundred, Hossey Bridge in Manston,

Parsons Bridge in Pulham, Crickmore Bridge in the Hundred of Cogdean, a bridge in Marnhull, and a footbridge at Wool, all in the period 1637 to 1651.

There are signs that the ancient system, already obsolete, on which the county was divided for administrative purposes, was found to be a hindrance to the proper performance of police duties. The borough of Blandford adjoined and was intermixed with "divers habitations called the Warnership of Pimperne," and when persons of ill behaviour were hunted out of the borough they took shelter in alehouses in the Warnership, and there defied the constables in safety. An order in 1637 enacts that the constables of Blandford shall be permitted to enter the Warnership, and that borough and Warnership shall join together in their watches and wards for His Majesty's service.

The duty of watch and ward is often emphasized. In 1646 any persons refusing this service were to be bound over to appear at the next Assizes, and in 1651 it is noted that there had been great neglect in this respect, and the number of men usually so employed were to be doubled. Four years later the Court speaks of "the manyfold dangers and inconvenience which doe dayly happen in those places which lye neere unto the sea coast, by reason of the multitude of idle persons, who can give noe good account of their beings, makeinge that their place of refuge." Constables are to see that watch and ward are duly kept in such places, with a view to all wandering persons being examined, and to report their proceedings to the justices.

Another duty imposed on all during some part of the century was the observance of the last Wednesday in every month as a day of solemn fast and humiliation. It is stated in 1646 that the practice had fallen into disuse in many parts of the country, and that the Lord's Day was often profaned. Also the statute of the first year of Elizabeth's reign, enforcing attendance at the parish church on Sundays and holidays, was in 1640 often evaded, and constables were to present the

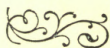
names of persons not frequenting their respective churches to justices, who would inflict a fine of 12d. for every Sunday neglected.

There was considerable difficulty, about the middle of the century, in finding men both willing and qualified for the office of coroner. It is repeatedly asserted that three coroners were required for the whole county, but often not more than one was available. Henry Clapcott, on being selected for the office, claimed exemption on the ground that he was an attorney of Common Pleas, an excuse that had to be admitted. John Randoll, of Piddletrenthide, objected that he was not well versed in the laws and had no freehold in the county. George Savadge, of Deane, was quite willing to serve, and filled the office for a short time, but was discharged for neglect of duty. Thomas Younge, another willing occupier of the post, was removed owing to the discovery that he was deeply in debt, and that, since he was frequently being chased by bailiffs, his duties (as might be imagined) suffered. Thomas Gollop, of Caundle Marsh, stopped the gap for seven years, generally working single-handed, but at the end of that period found that he was not properly qualified, not being a freeholder.

In conclusion a short account will be given of a vigorous campaign against drunkenness, apparent in the Order Books, during the second quarter of the century, when great efforts (unavailing, it is to be feared) were put forth with the object of making Dorset men more sober. It began, so far as the records now under reference can show, in 1628, with an attempt to abolish Church and other Ales. "All publique Revells, Church Ales, Clerkes Ales, and other Ales" were to be utterly suppressed. Three years later the order had not been obeyed, and the gentlemen of the Grand Jury and constables of Hundreds and Liberties were then to present at the Grand Inquest all cases of Ales, with a report of "the Keepers of the said Ales and Revells, tiplers, and mynstrels resorting unto and Keepinge tiplinge and mynstrelsy there." This seems to have marked the end of Ales, for no more is heard of

them, but the number of alehouses increased by leaps and bounds. In 1632 Thomas Bartlett, of Puddletown, was distinguished by the illrule and drunkenness in his alehouse, which was to be suppressed. But Bartlett was not an easy man to deal with. He abused the constables who came to carry out the orders and successfully resisted them, no doubt with the assistance of some of the villagers, for Puddletown possessed only this one alehouse, and its suppression would have meant total abstinence from beer on the part of most of the smaller householders. After the lapse of several months, and when another man was ready to take his place, Bartlett was removed, but little was gained by getting rid of this particular offender. A very few years later, Puddletown was able to boast of four alehouses, besides an inn, and the place was then said to be very disorderly. There were few parts of the county where similar measures were not required. Wambrook, Chardstock, Hawkechurch, Netherbury, the Hundred of Buckland, Sturminster Newton, Shaftesbury, and Wareham all earned especial orders from the Court. Also, in a petition from the ministers of Yetminster and adjacent parishes, complaint was made that the excessive number of alehouses occasioned much drunkenness on the Sabbath as well as on weekdays. They add that from this cause "the word of God looseth its fruit, God is dishonoured, men's estate exhausted wch should be spent on their families, and for the intollerable abuse of the Creatures a famine, without God's especial mercy, is justly to be feared." But nothing effectual was accomplished. Subsequent to all these orders for suppression comes the old complaint, this time from the Grand Jury in 1646, of the multiplication of alehouses and the increase of abuses and disorders; and there are still later entries in the Order Books showing that the want of a licence did not always deter an alehouse keeper from carrying on his business. So far as the Assizes were concerned, the campaign against alehouses was abandoned soon after 1650. It would appear that the people wished to drink to excess, and no power on earth could stop them.

A perusal of the Assize Books leaves the general impression that a great part of the inhabitants of Dorset in the 17th century were addicted to crime, drunkenness, or other vice, or were submerged in poverty; but there is at least the redeeming fact that those in power fought strenuously, according to their lights, against all these evils, and such records as these serve to remind us of how much the present generation owes to the improvements in social conditions effected, little by little, in past centuries.





The Ancient Earthworks of Cranborne Chase.

By **HEYWOOD SUMNER, F.S.A.**



THE plans which I am submitting for your inspection to-day are an attempt to put into practise the preaching of the Archæological Committee on Ancient Earthworks.

This committee has urged that plans and schedules should be made of our Ancient Earthworks throughout England ; that a definite area should be undertaken by each worker ; and that the plans should be made on the 25 inch scale. My daily view extends over Cranborne Chase, and curiosity had often led me to investigate its varied earthworks. In so doing I had felt the want of a complete record of their plans. Thus it came to pass that two years ago I ventured to undertake a definite survey of the Ancient Earthworks on Cranborne Chase, the results of which you see before you.

It is curious that the old cartographers, Saxton, Norden, and Speed, did not mark camps and earthworks in their surveys. Speed records a few in his letterpress descriptions

of the counties, and in writing of Dorset he mentions Maumbury, Poundbury, Maiden Castle, and Badbury—but that is all. Evidently they were held in small estimation by our ancestors, a neglect that increases the debt of gratitude that we owe to Dr. Stukeley, whose “*Itinerarium Curiosum*” (published in 1724) was the first contribution to a study of these priceless relics of our history by means of plans.

When maps were few, and surveys scant, how exciting must have been the search for Ancient Earthworks! Imagine a description of Dorset—as Speed describes it—with never a word about the camps on Hambledon Hill, or on Hod Hill, and with no mention of Bokerly Dyke! And then think of riding afield as a roving enquirer, and coming upon these forgotten earthworks that express such indomitable energy, and that confront us with such great problems of prehistoric life. This was the happy fortune of the antiquary in the 18th Century. What Dr. Stukeley began, Sir Richard Colt Hoare continued. In the early years of the 19th Century he gave up hunting foxes in favour of hunting earthworks, and the ardour of his new chase led him across the borders of his native Wiltshire into Dorset and the district of our survey. His folio volumes on “Ancient Wiltshire” contain most beautifully engraved plans of several of the earthworks on Cranborne Chase; but their accuracy is not equal to their execution. Mr. Charles Warne’s “Illustrated Map of Dorsetshire” also includes some of these earthworks, but this admirable map only locates sites; it is on too small a scale to give any details of plan. In “*Ancient Dorset*,” by the same author, there are a few wood-cuts of camp plans that are scarcely worthy of their purpose. The most accurate plans of Earthworks on Cranborne Chase are to be found in General Pitt Rivers’ works; but they only include the sites of his excavations. Accordingly, if we wish to study plans of the various earthworks in this district, we must obtain about 40 6-inch Ordnance Survey sheets whereon they are recorded. The Ordnance Survey is a most admirable and exact work, from its own point of view, but it is not the

court of final appeal in matters of antiquity. There are omissions, and there are misunderstandings, and so the antiquary has still got his part to play, and may still help to perfect such a record.

The method that I have adopted in making this survey has been—first, to make a tracing of the 25-inch O.S. sheet that records the earthwork under examination. Then to study the 6-inch O.S. sheet of the same place, in order to note the rise and fall of the land, which are shewn by contour lines on the 6-inch scale, but not on the 25-inch. Then to examine the site with both the 25-inch tracing and the 6-inch sheet, in order to verify the record, and to supplement omissions. And finally to measure up typical sections of the earthwork.

In one case—the large pastoral enclosure on Rockbourne Down—I have made an original survey, as it is not recorded in any of the maps of the Ordnance Survey.

The limits of this district of Cranborne Chase have been the cause of much contention. But with this we have no concern. The outer bounds or extreme limits of the Chase as recorded by the Perambulations, 29, Henry III., and 8, Edward I., and in two maps of A.D. 1618 by Richard Hardinge and Thomas Aldwell respectively, are the boundaries of our survey. These boundaries, though mediæval, are founded upon natural features, that have always tended to impart a certain local and separate character to this district.

Even now Cranborne Chase is a peculiar district. It lies apart from railroads, and apart from most of the road traffic that passes through Ringwood, Wimborne, Blandford, Shaftesbury, or Salisbury. It is a solitary tract of down-land, corn-land, wood-land, and waste. Dry valleys run far up into the steep flanks of the Oxdrove Ridgeway that is the backbone of the Chase. Streams emerge with intermittent flow in the lower slopes of these valleys. The present villages, with the exception of Whitsbury and Ashmore, are in the lowlands. While, on the uplands will be found the sites of many ancient British villages. Barrows, both long and

round ; camps of defence ; boundary banks and ditches ; pastoral enclosures ; cultivation banks ; Roman roads ; and dykes of defence, all testify to the former habitation and desirability of this now solitary land. On the East it was bounded by the New Forest. On the South by the Holt Forest and the heathland of Dorset. On the West by the Forest of Blackmore ; and on the North by the forests and swamps of the valley of the Nadder. Amid such surroundings the rolling downs of Cranborne Chase must have emerged as desirable land. Its chalk soil suited the requirements of the early camp makers, and it was well watered ; for the rainfall we believe to have been greater then than now, and the evidence of General Pitt Rivers' Roman well at Woodcuts shows that the water level in the chalk has sunk since this well was in use 1,600 years ago. Think of the Tarrant, the Allen, the Long Criche, and Gussage brooks, the Crane, the Martin Allen, the Rockbourne brook, the Ebble, the Donhead, the Iwerne, and Pimperne brooks. Think of all these streams flowing constantly from 50 to 100 feet above their present rise, and we get a very different conception of the prehistoric pastoral and agricultural value of this tract of country. A truly desirable land when contrasted with its surroundings.

These natural conditions may account for the large number of great hill-top camps within the area of this survey, that are probably among the most ancient as they are certainly the most conspicuous earthworks on Cranborne Chase. They also account for the later pastoral and agricultural earthworks, and for the numerous British village sites, which are specially frequent in the centre of the Chase.

The following list will give an idea of the number and variety of these earthworks.

HILL-TOP CAMPS. *Towns*

Hod Hill, 50 acres ; Hambledon Hill, 25 acres ; Castle Ditches, near Tisbury, 23 acres ; Badbury Rings, 18 acres ; Whitsbury Castle Ditches, 16 acres ; Winkel-bury, 12½ acres ;

Castle Rings, near Shaftesbury, $11\frac{1}{2}$ acres ; Buzbury Rings, 11 acres ; Chiselbury, 10 acres ; Clearbury Ring, 5 acres ; Damerham Knoll, $3\frac{1}{2}$ acres ; Penbury Knoll, $3\frac{1}{2}$ acres. (Twelve in all.)

CAMPS ON HIGH GROUND.

Bussey Stool Park, $5\frac{1}{2}$ acres ; Odstock Copse, fragment, $3\frac{1}{2}$ acres ; Mistleberry Wood, 2 acres ; Thickthorn Down, fragment, $\frac{3}{4}$ acre.

ENCLOSURES, PROBABLY FOR PASTORAL PURPOSES.

Rockbourne Down, 96 acres ; Soldiers' Ring, 27 acres ; Chicken-grove, 12 acres ; Vernditch, fragment, 8 acres ; South Tarrant Hinton Down (1) 8 acres, (2) 5 acres ; Tarrant Hinton Down, 6 acres ; Knighton Hill Buildings, $2\frac{1}{2}$ acres ; Martin Down, 2 acres ; Bussey Stool Park, $1\frac{1}{2}$ acres ; Woodcuts (2) ; Pimperne Down, fragment ; Prescombe Down, $\frac{3}{4}$ acre ; South Lodge, Rushmore, $\frac{3}{4}$ acre ; Handley Hill, $\frac{1}{4}$ acre ; Knighton Hill, $\frac{1}{4}$ acre ; Oakley Down, $\frac{1}{4}$ acre ; Fifield Down, $\frac{1}{2}$ acre ; Chettle Down ; Mountslow. (Twenty-one in all.)

BRITISH VILLAGE SITES.

Gussage Down ; Tarrant Hinton Down ; South Tarrant Hinton Down ; Chettle Down ; Blandford Race Down ; Oakley Down ; Middlechase Farm ; Marleycombe Hill ; Berwick Down ; Rotherley ; Woodcuts ; Woodyates ; Fontmell Down ; (?) Swalloweliffe Down ; Blackbush on Pentridge ; Tidpit Down ; (Sixteen in all.)

DEFENSIVE DYKES AND DITCHES.

Bokerly Dyke ; Charlton Down ; Hatts Barn ; Melbury Hill ; Fontmell Down ; Tennerley Ditch ; Half-Mile Ditch (White Sheet Hill) ; Row Ditch ; Buxbury Hill ; Burcomb Punch-bowl.

BOUNDARY BANKS AND DITCHES.

Grim's Ditch ; Banks and Ditch running N.E. from Whitsbury Castle Ditches to Breamore Mizmaze ; Banks and Ditch running E. from Whitsbury Castle Ditches, towards Whitsbury Common, now only discernible in a wood called Rowdidge ; Banks and Ditch running over Martin Down, E. of Bokerly Dyke to Vernditch, excavated by General Pitt Rivers and proved to be of the Bronze Age ; Banks and Ditch crossing Launceston Down ; Banks and Ditch between Blandford Race Down, Buzbury Rings, and dying away pointing for Spettisbury Ring or Crawford Castle.

EARTHWORKS OF EXCEPTIONAL CHARACTER.

Knowlton Circles.

Circle within which stands the ruined Church $1\frac{1}{2}$ acres

Partially effaced circle within which stand

New Barn Buildings $8\frac{1}{2}$ acres

Almost effaced circle to the North-West of

circle No. 1.. 1 acre

Almost effaced circle beside the above.. .. $\frac{1}{2}$ acre

Cranborne Castle. Castle Green, Shaftesbury.

Breamore Mizmaze.

THE PRINCIPAL LONG BARROWS.

Giant's Grave, near Clearbury ; Giant's Grave, near Breamore Mizmaze ; Duck's Nest, near Rockbourne Down ; Grans Barrow and Knap Barrow on Knoll Down (?) ; Round Clump, near Great Yews ; near Tidpit Common Down ; near Bokerly Dyke (2) (?) ; Down, near Waterlake, beneath Pentridge Hill ; Wor Barrow ; Oakley Down ; Gussage Down (2) ; Thickthorn Down ; Launceston Down ; near Tarrant Hinton Down ; Chettle Long Barrow ; Blandford Race Down ; Pimperne Long Barrow ; Langton Down ; Whitesheet Hill ; Hambledon Hill (?). (Twenty-three in all.)

ROMAN WORKS.

Roman Road, from Sarum to Badbury, where one branch goes on to Dorchester and another to Poole; another road turns off to the north-west from Badbury, through Eastbury Park to Ashmore, pointing for Donhead, and the Groveley Ridge; the inner camp on Hod Hill; Hemsworth Villa; Barton Hill Villa; Iwerne Minster Villa.

The sequence of such a long list of varied earthworks bristles with debatable points, and demands a book rather than a short paper; but the clock compels me merely to give general conclusions—tentative conclusions—for consideration.

I think that the Hilltop camps probably represent the actual sites of the pre-Roman Tribal habitations on Cranborne Chase, at a period when wealth consisted in flocks and herds, and when Tribal hostility was frequent; and that the great scale of their banks and ditches is mainly original, though in several instances the defences seem to have been enlarged or raised.

That the open British village sites represent a later and a different phase of Tribal life; when there were planters of corn on a considerable scale, as well as tenders of cattle, and when men counted on reaping where they had sown.

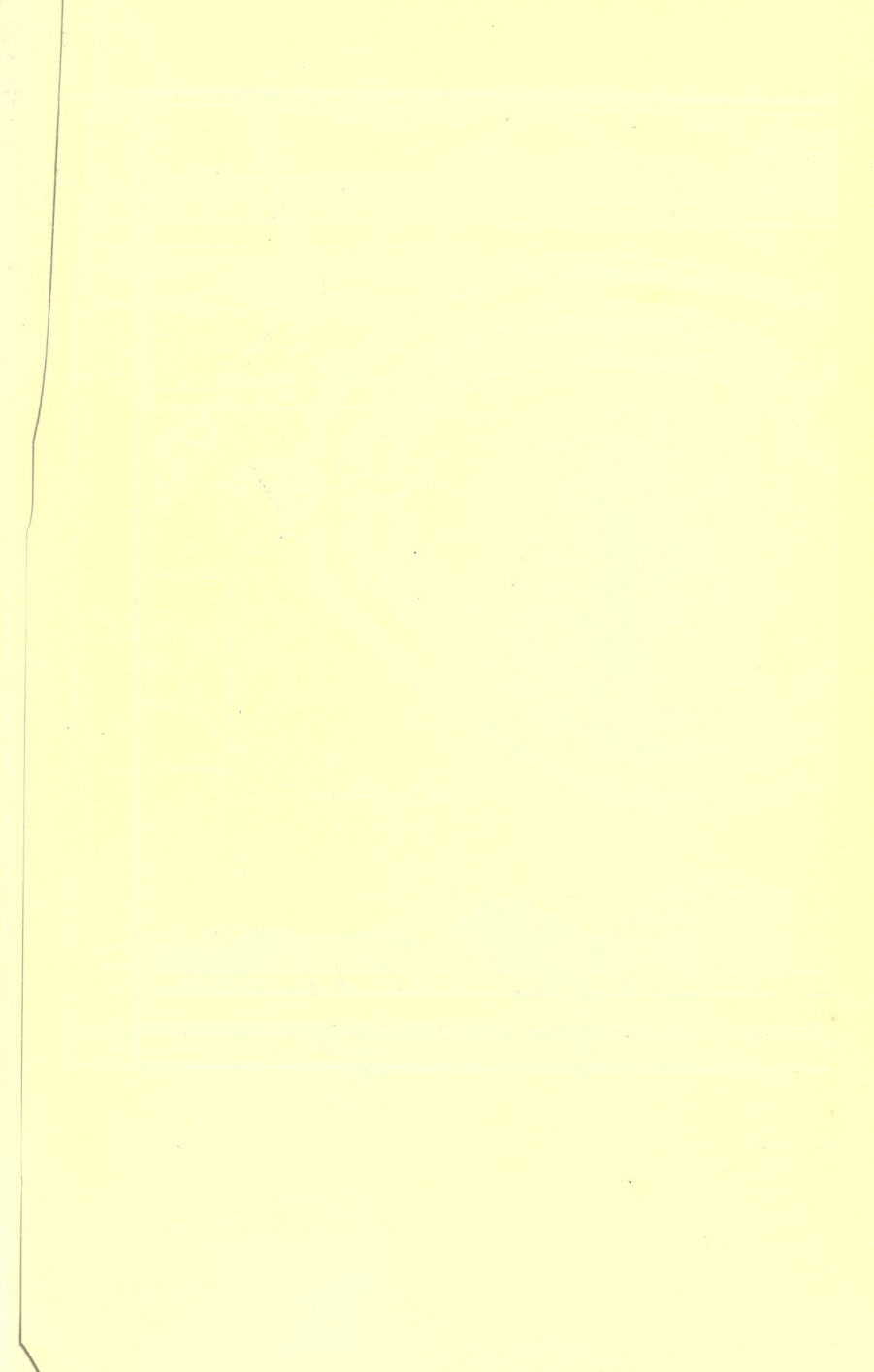
That the low Boundary Banks and Ditches represent a period when areas of occupation were decided by mutual agreement, and that their parallel duplication and triplication, which happens near British village sites, may represent defence.

That here, in this district of Cranborne Chase, the Roman occupation represents a period of peace and prosperity, and that the British villages were Romanized.

And finally, that the great defensive Banks and Ditches, such as Bokerly, Half-Mile Ditch, Charlton Down, &c., represent the period of the oncoming West Saxon—A.D. 552 to 577, when imminent danger came from one direction—from the East, as their banks testify. And to this period

also I am inclined to suppose may belong the great earthworks on the South-Eastern approach of Hambledon Hill ; the uneven height that appears to have been added to the inner bank of the camp on Hod Hill ; and the high, narrow-topped inner bank on the Eastern side of Whitsbury Castle Ditches.





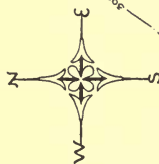
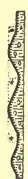
Purbury Rings



Section A-B



Section C-D



Dorsel, 25° O.S. sheet
XIV. 8. Tarrant-
Keynton parish.
Gleywood Summit.
August. 1911.

0. Scale, in chains

10 chains. (1 chain = 22 yards)

20.

30.

35.

37

Rawston Down

Under Cultivation

From Blandford

Purbury Plantation

34%

This part of the
outlet and the
overgrown with
fences.

350

360

370

380

390

400

410

420

430

440

450

460

470

480

490

500

510

520

530

540

550

560

570

580

590

600

610

620

630

640

650

660

670

680

690

700

710

720

730

740

750

760

770

780

790

800

810

820

830

840

850

860

870

880

890

900

910

920

930

940

950

960

970

980

990

1000

1010

1020

1030

1040

1050

1060

1070

1080

1090

1100

1110

1120

1130

1140

1150

1160

1170

1180

1190

1200

1210

1220

1230

1240

1250

1260

1270

1280

1290

1300

1310

1320

1330

1340

1350

1360

1370

1380

1390

1400

1410

1420

1430

1440

1450

1460

1470

1480

1490

1500

1510

1520

1530

1540

1550

1560

1570

1580

1590

1600

1610

1620

1630

1640

1650

1660

1670

1680

1690

1700

1710

1720

1730

1740

1750

1760

1770

1780

1790

1800

1810

1820

1830

1840

1850

1860

1870

1880

1890

1900

1910

1920

1930

1940

1950

1960

1970

1980

1990

2000

2010

2020

2030

2040

2050

2060

2070

2080

2090

2100

2110

2120

2130

2140

2150

2160

2170

2180

2190

2200

2210

2220

2230

2240

2250

2260

2270

2280

2290

2300

2310

2320

2330

2340

2350

2360

2370

2380

2390

2400

2410

2420

2430

2440

2450

2460

2470

2480

2490

2500

2510

2520

2530

2540

2550

2560

2570

2580

2590

2600

2610

2620

2630

2640

2650

2660

2670

2680

2690

2700

2710

2720

2730

2740

2750

2760

2770

2780

2790

2800

2810

2820

2830

2840

2850

2860

2870

2880

2890

2900

2910

2920

2930

2940

2950

2960

2970

2980

2990

3000

3010

3020

3030

3040

3050

3060

3070

3080

3090

3100

3110

3120

3130

3140

3150

3160

3170

3180

3190

3200

3210

3220

3230

3240

3250

3260

3270

3280

3290

3300

3310

3320

3330

3340

3350

3360

3370

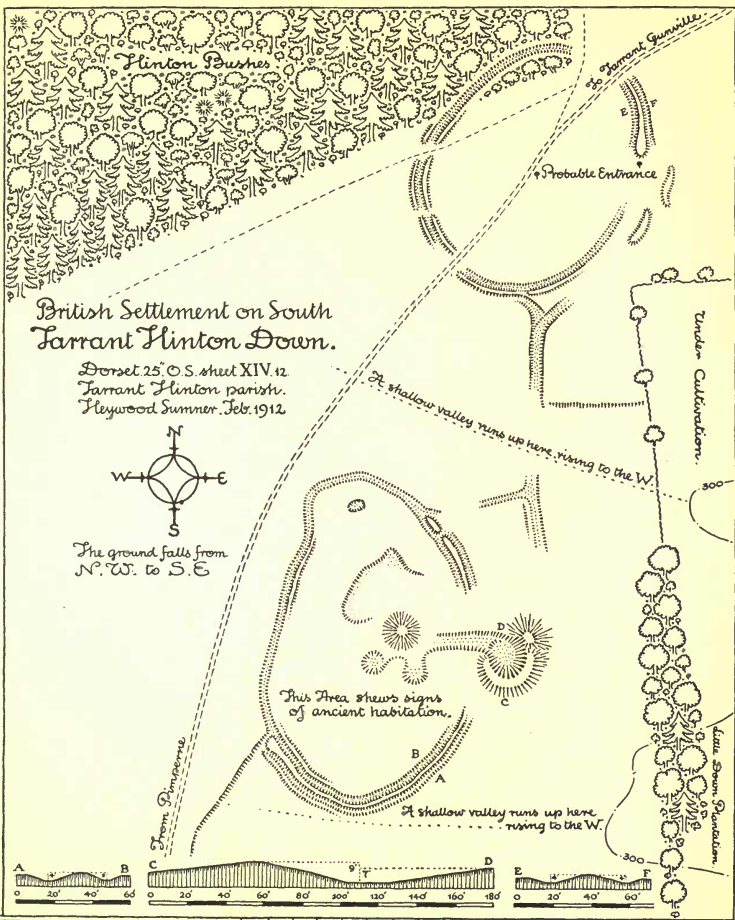
3380

3390

3400

3410

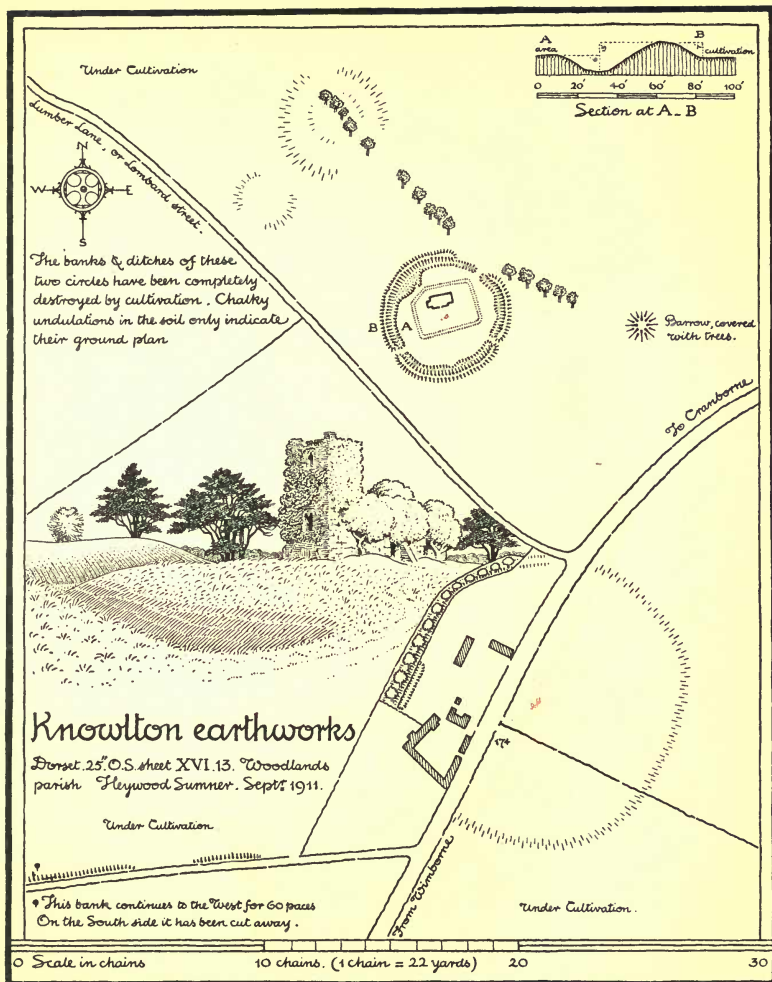
3420



o Scale in chains

10 chains. (1 chain = 22 yards) 20.

30.



NOTES DESCRIPTIVE OF THE FOREGOING PLANS.

(Respecting the plan conventions. The shading lines that indicate earthwork banks show the top of the bank by the thick end of the line, the bottom by the thin end. Dotted spaces indicate the bottoms of ditches and depressions. Numbers and contour lines indicate the height of the land above the sea.)

1. Badbury Rings—Of the five principal Hill-top camps within the district of my survey—Hod, Hambledon, Castle Ditches, Tisbury, Whitsbury Castle Ditches, and Badbury Rings—the last stands lowest above the sea; yet Badbury Rings are so isolated, and are situated in such a spacious tract of lowland, that their pine-crowned summit of 327 feet tells as a landmark for miles around—a distinction that Castle Ditches, Tisbury, miss, though this latter camp area rises to 630 feet—7 feet higher than Hambledon.

Badbury Rings may serve as a fine specimen of a Hill-top Camp. They have been described in the Dorset Field Club Proceedings, Vol. XXVII., and in "Ancient Dorset," by Charles Warne. So far as I know, their varied occupation has not been proved by excavation, but their origin is generally accepted as Celtic. They are surrounded by a triple ring of great banks and ditches. There is a wide space between the outer and middle earthworks. The Eastern entrance is a straight-forward passage through the three lines of defence. There are two entrances on the Western side. One, like the Eastern, straight-forward, the other winding through the berm defence of the middle bank. It seems possible, in view of Mr. and Mrs. Cunnington's excavations on Knapp Hill, that the straight-forward Western entrance may be original, used for driving cattle in times of danger, and the entrance gaps then stockaded. The earthworks of the Rings do not show any signs of Roman adaptation, though the site must have been occupied by the Romans, for three of their roads converge here. Probably this was the site of "Mons Badonicus," see "*Origines Celticae*," Vol. II., p. 147, by Dr. Guest. The wasted earthwork outside the Rings on the Western side do not seem to have any intelligible connection with the camp defences.

2. Buzbury Rings are about two miles distant from Blandford and the Upland road, thence to Wimborne, passes through the outer part of the camp. The inner camp appears to have been the place of habitation, and here you may pick up in half an hour more pottery shards than your pockets will hold. The outer camp extends on the Northern and Eastern sides of this inner camp, and shows no sign of habitation, but was probably used for pastoral purposes. Buzbury Rings have been cut about by road-makers and by cultivators, but their general disposition are still fairly discernible. The camp shows no signs

of having been strengthened, and its broad-topped low banks (six foot average height) and shallow ditches give us an idea of an Early British Tribal camp that combined safety with pastoral requirements. Many of the pottery shards to be found in the inner area are of the Early British type, hand-made, imperfectly baked, and made of clay mixed with siliceous granules. Banks and ditches of the Grims-Ditch type branch out from Buzbury Rings. The O.S. marks one that approaches the Rings from Langton Long as "supposed British Trackway;" but its superficial measurements compare with Grims-Ditch, through which I have cut sections on Damerham Knoll and on Gallows Hill, and in both these cases the bottom of the ditch was 4 feet 6 inches below the surface and only a foot wide, with steep sides, showing no signs of use; indeed, it would be impossible to use such a ditch as a way. These Banks and Ditches appear to be boundary divisions for pastoral purposes. Similar branching of such earthworks from a centre of habitation may be noted on Blandford Race Down, South Tarrant Hinton Down, Gussage Down, Middle Chase Farm, and Whitsbury Castle Ditches.

3. The British Settlement on South Tarrant Hinton Down is specially interesting. Here are two oval enclosures, surrounded by low earthworks—the outside banks never rise above 4 feet—that are separated from each other by a shallow down valley in which presumably the water came out when these enclosures were made.

The upper enclosure shows no superficial signs of ancient habitation, but there is a sunken way leading down to the little valley that suggests cattle usage. It should be noted that outside the entrance on the Eastern side are the wasted remains of two detached banks that appear to be defences covering the opening, and that the Northern enclosure bank (the Southern has been destroyed) widens into a pear shape at the entrance—a form that often occurs at camp entrances. The all-over measurements of the bank and ditch show, however, that this can never have been a camp of much account, and I am inclined to regard it as a pastoral enclosure with slight defences.

The lower enclosure is the larger of the two, and the area is covered with humps and hollows that suggest habitation. The entrance is on the South-Eastern side. On the North-Eastern side there is a semi-circular depression strongly banked, and approached from the area by a sunken way. This compares with somewhat similar earthwork forms on Tarrant Hinton Down (near Eastbury Park), Chettle Down, and Swallow-Cliffe Down. Their purpose could only be conjectured by excavation. Two large mounds may be barrows. The duplication of the single bank and ditch—which for the most part surround their enclosure—on the South-Western and lowest side of the site is another puzzle that needs solution. A ditch between double banks (of the

Grims-Ditch type) starts from this South-Western side and can be traced for some distance over the hill towards Pimperne.

4. Knowlton—It is doubtful whether Knowlton was within the ancient outbounds of Cranborne Chase. The place names of the Perambulation are dubious here. But we may take the benefit of the doubt, for benefit it is, as it enables us to consider a most remarkable site. Nowhere else on Cranborne Chase, excepting in barrows, and specially in the disc barrows near Woodyates, do we find any earthwork expression of what is supposed to be prehistoric formular religion. Circles, either marked by stones or wrought in earth, are signs of the unknown reverence of our forefathers. Here, at Knowlton, we have four circular earthworks, only one of which, however, is still fairly perfect—the others have been destroyed by cultivation. From the remnant that remains we cannot suppose that purposes of defence or of habitation, or of cattle enclosure, were the motives of the makers of these rings. The two apparently original entrances of the one perfect remaining circle are opposite each other. The wide ditch is on the inside. The bank is unusually broad and precise in its circle. There are no other earthworks of similar construction on Cranborne Chase, but in certain particulars they compare with the Rings at Thornborough Moor, near Ripon, and with Figsbury Ring near Salisbury (see "Earthwork of England," by Hadrian Allcroft). Within the area of this earthen circle stands the ivy-clad ruin of a little stone church. With-out, these Knowlton circles are surrounded by barrows; but this site does not now appear as the barrow centre of the district, as Stonehenge is the barrow centre of Salisbury Plain. That distinction belongs to Oakley Down, below Pentridge, near Worbarrow, that was excavated by General Pitt Rivers.

*"The Barrows of Salisbury Plain" (1893)
contains a plan of the site, but that
does not show the entrance into the
circle.*





A Reminiscence of
The late Rev. C. W. H. Dicker, R.D.,
(WITH PLATES),
And some Observations on Bloxworth
Church.

By the Rev. O. PICKARD-CAMBRIDGE, M.A., F.R.S.



I CANNOT suppose that the following few lines will be otherwise than acceptable to the members of our Field Club, the more especially as they relate to, probably, the last that our lamented member, the Rev. C. W. H. Dicker, ever did or wrote in connection with any work on our behalf.

In order to make this intelligible to you, I must premise that Mr. Dicker (in his paper on "The Normans of Dorset," *Dors. Field Club Proceedings*, Vol. XXXI., 1910, p. 125) mentions that "Norman Porches are very rare; I only know of three in Dorset—*Sherborne*, *Bloxworth*, and *Belchalwell*." I wrote at once to Mr. Dicker that this was evidently a mistake so far as Bloxworth was concerned, where the church porch certainly was not Norman. In the short

correspondence that ensued Mr. Dicker acknowledged that he had not himself visited the church, and had been misinformed; but that he would shortly pay me a visit and inspect the church himself.*

Time went on, one thing and another delayed Mr. Dicker's kind intention, until in the afternoon of *Thursday*, August 22nd last, he paid me his long-promised visit (in company with the Rev. A. L. Helps, Vicar of Puddletown). I was unable to accompany him to my church, but he made a close and thorough inspection of it under the guidance of one of my sons. He had no time to give me a report on it at the moment; but on the following morning (*Friday*, August 23rd) wrote to me the result of his examination of several points of interest, including the Norman doorway. *Saturday* and *Sunday*, August 24th and 25th, intervened; and then early on *Monday*, August 26th, the sudden and lamentable catastrophe occurred in which we have to mourn his irreparable loss.

I feel sure that no one of us will under the circumstances object to enter into a little detail of what thus occupied Mr. Dicker's last scientific consideration. I therefore make no apology for quoting, almost *verbatim*, his letter to me, dated August 23rd, 1912. "Dear Mr. Pickard-Cambridge,—
"I was much interested in your church, and am very glad to
"have seen it. The porch is particularly a good bit of
"Jacobean building; the architect has adopted a nice 14th
"Century moulding in the outer arch—probably a copy of
"work in the older building. I am not sure that the lower
"stones of the jambs are not part of the original. The
"doorway is much more like a Norman *Chancel Arch* than a

* Mr. Dicker appears to have been unaware that the Field Club paid me a visit on Aug. 19th, 1886, when I pointed out that "the only remaining portion of an original Norman Church was the Doorway." See report of F. Club Proc., Vol. VII., p xxiv., 1886; also that in a paper on Bloxworth Church read at the meeting above mentioned and published Vol. VII., p. 99, this doorway is again remarked upon.

“door arch. The doors one finds in village churches of the 12th Century are very much narrower, and the imposts (with ‘nail-head’ ornament) look exactly like those of a typical chancel arch of the period. I have seen some chancel arches about that width, though now removed from their old position.

“The *Font* seems to me a piece of undoubted Early English work. Its bit of foliage and mouldings are quite of the Early 13th Century style. It is not mentioned in Dr. Cox’s list of Dorset Fonts.—With kind regards, yours very truly, C. W. H. DICKER.”

The above, then, being the subject which so immediately preceded Mr. Dicker’s untimely decease, has, I think, a melancholy though real interest for us all; I therefore presume to make a few remarks upon it. It will be noted that the idea of Bloxworth *Church Porch* being Norman is quite given up; and whether the opinion that the architect of it adopted, in his design, the course Mr. Dicker mentions, I must leave to experts; but I must remark that there is no proof of there ever having been a porch to the original Norman building. The opinion that the “doorway” (which is undoubtedly Norman) is the *Chancel Arch* of the original Norman church I am hardly qualified to criticise. It would have been most interesting and useful to us if Mr. Dicker had added to his note upon this point the names of the churches where he had seen some similar arches removed from their original positions, and so become “doorways.” I have noted on the plate accompanying this paper the exact dimensions of the doorway as it now stands. My own opinion is certainly against the idea that it formed the chancel-arch of the original church.

With respect to Mr. Dicker’s opinion that the *Font* is an undoubted “Early English” work, I cannot say that I am convinced upon this point. I have always thought it to be partly Jacobean, mixed with some of the materials of an original Norman Font; but I do not profess to be an expert on such points. I will only say that the Font has been

examined by more than one who have professed to be experts, and they have invariably been doubtful. Perhaps what I have said above may lead some one of our members competent to give an opinion (and assisted by Mr. Dicker's remarks as well as the sketch I have given of the Font as it stands) to let us know more about it, and to confirm or otherwise the opinion that the "doorway" is the chancel-arch of the original Norman building.





Second Supplement to the Lepidoptera of the Isle of Purbeck.

COMPILED FROM THE NOTES OF EUSTACE R. BANKES,
M.A., F.E.S.,

By NELSON M. RICHARDSON, B.A.



OWING to the unfortunate illness of my friend, Mr. Eustace Banks, I have been asked to edit the valuable notes made by him on the additions to the Lepidoptera of the Isle of Purbeck since the publication of the 1st Supplement in Vol. X. of the Proceedings of the Dorset Field Club (1889), the original list being contained in Vol. VI. of the same Proceedings (1885). The notes from which the present list is made carry on the records to the end of 1910, the last entry being dated Nov. 27th, 1910. The bulk of the captures were made by Mr. Banks himself, and where he has had to depend on those made by others, he has always either identified the species himself or relied upon some recognised authority for its correctness. Amongst the insects in the present list are some of great or considerable rarity, such as *Vanessa antiopa*, *Sterrhya sacraria*, *Notodonta*

trepida, *Leucania vitellina*, *L. albipuncta*, *L. extranea*, *Micra parva*, *Catocala electa*, *Lemiodes pulveralis*, *Epischnia banksiella*, *Simæthis vibrana*, *Eupæcilia manniana*, *Tinea richardsoni*, *Micropteryx aruncella* (probably merely a variety of *M. seppella*), *Yponomeuta rorellus*, *Argyresthia atmoriella*, *Lithocolletis triguttella* (Mr. Banks brings evidence to prove this to be merely a variety of *L. faginella*), *Nepticula fulgens*, *N. confusella*, *Trifurcula pallidella*, besides other interesting species. Altogether, no less than 171 species are now added to the list, which swells the number found in Purbeck (after allowing for all corrections) to the very large total of 1,197, an extraordinarily rich Lepidopterous fauna for so small a tract, which it probably owes to the varied nature of the land comprised in it. Heath and bog, sand-hills and salt marshes, woods and downs, fertile fields and rocky cliffs and sea-shore are all found, and each contributes the different species that inhabit it.

A few corrections of previous lists and records are necessary. In Entomologist XXX., 111 (1897), *Hesperia paniscus* and *Sesia muscæformis* were recorded from Swanage by Mr. J. H. Fowler, but in Entom. XXXII., 309 (1899), he withdrew both records. Although he could not say what the supposed *H. paniscus* of his informant could have been, it is quite incredible that it could have been *H. paniscus*, unless proved indubitably by the production of the specimen. A list of *Delenda et corrigenda* in the first List of Purbeck Lepidoptera and the first supplement, a few of which have already been noticed in the first supplement, is here appended.

DELENDÆ ET CORRIGENDA.

LEPIDOPTERA OF THE ISLE OF PURBECK. (Proc. D.F.C.,
Vol. VI., pp. 128—177.)

p. 141. Delete "EUPITHECIA MINUTATA, G., Corfe."

p. 147. l. 4 and 12, for "about the year 1845" read "in the year 1844."

- p. 148. l. 23, 24, and 37, for "about the year 1845 by Sir Frederick Lighton" read "in the year 1844 by Sir Christopher Lighton."
- p. 158. For "PHYCIS SUBORNATELLA, Z." read "PHYCIS ADORNATELLA, D." See note under the latter species in 1st Supplement (Proc. D.F.C., X., 202.)
- „ For "PHYCIS ABIETELLA, S.V." read "PHYCIS SPLENDIDELLA, H.-S." See note under the latter species in the present supplementary list.
- p. 160. For "PENTHINA SORORCULANA, Ztt." read "PENTHINA BETULÆTANA, Hw." Merrin, in his list, which was followed, erroneously enters *betulætana*, Hw., under the name *sororculana*, Ztt., which should stand for what Merrin calls *prælongana*, G.
- p. 163. For "RETINIA PINICOLANA, Db." read "RETINIA BUOLIANA, S.V." The former species, which had not been found in Purbeck until the date of its record (1901) in the present supplementary list, was inserted by mistake for the latter species. (See also 1st Supplementary List, Proc. D.F.C., X., 204.)
- „ For "CARPOCAPSA GROSSANA, Hw." read "CARPOCAPSA SPLENDANA, H." The former species, which has not yet been found in Purbeck, was recorded by mistake for the latter.
- p. 166. Delete "YPONOMEUTA PLUMBELLA, S.V., Studland. The grey var. of *Y. padella*, L. was mistaken for this species, which was not found in Purbeck until 1891, as recorded in the present Supplementary List.
- p. 167. Delete "DEPRESSARIA PROPINQUELLA, Tr., Studland, Corfe; rare." The entry was made on the strength of specimens taken by Rev. C. R. Digby and E.R.B., which have since

turned out to be merely forms of *subpropinquella*, Stn., and both the captors were in 1894 sure that they had never taken *propinquella*, Tr. in Purbeck or anywhere in Dorset. Neither is it recorded from Purbeck in the present Supplementary List.

- p. 167. Delete "Corfe" as a locality for *DEPRESSARIA ALBIPUNCTELLA*, H.
- p. 168. For "*GELECHIA NANELLA*, H." read "*GELECHIA ALBICAPITELLA*, Z." The former species has not yet occurred in Purbeck. (See 1st Supplementary List, Proc., D.F.C., X., 208.)
- p. 174. l. 14. For "on *Ulex*." read, in a fresh line, "*LITHOCOLLETIS MESSANIELLA*, Z., Corfe, Studland, on *Ilex*. (See 1st Supplementary List, Proc. D.F.C., X., 212.)
- „ Delete "*LITHOCOLLETIS EMBERIZÆPENNELLA*, Bou., common among honeysuckle." This was entered by Rev. C. R. Digby, who afterwards found that *L. trifasciella*, Hw., had been mistaken for it. It has not yet occurred in Purbeck.
- p. 175. Delete "*NEPTICULA ULMIVORELLA*, Frr., Studland." This species has not yet occurred in Purbeck.
- p. 176. l. 7 and 8 from bottom, delete "with the exception of *P. Globulariæ*," and the whole of the bottom 6 lines referring to that species. (Note by E.R.B.) In the "Lepidoptera of Dorsetshire" Mr. C. W. Dale says "A specimen in my collection was taken at Langton Matravers in 1853, by Dalton Serrel (Serrell), Esq." If this moth has been rightly identified as *globulariæ*, this is the only instance known of the occurrence of this species outside the counties of Kent and Sussex, and is therefore very remarkable. [Although Mr. E. R. Banks

admitted this record into his list, he thought on further consideration that it should be omitted as being too doubtful. I agree with him in this view, as the identification of the species of this genus is somewhat difficult.—
N. M. RICHARDSON.]

FIRST SUPPLEMENT TO THE "LEPIDOPTERA OF THE ISLE OF
PURBECK." Proc., D.F.C., X., 197-213.

- p. 200. Delete BOMBYCOIDÆ. ACRONYCTA, Tr. *Acronycta tridens*, S.V., Corfe. E.R.B. says that this was entered on the strength of specimens taken by him which he had thought to be *A. tridens*, but which he has since identified as only *A. psi*.
- p. 205. Delete "Dicerorampha Saturnana, G., Kimmeridge coast."
- „ l. 8, 9. For "one specimen, which has been identified by Mr. Warren as this rare species, was taken by the author on June 16th, 1884" read "four specimens, of which one alone was identified by Mr. Warren as this rare species, were taken by the author on June 16th, 1884, and many others since."
- „ Delete "Dicerorampha Tanaceti, Wlk., Kimmeridge Coast."
- p. 208. Delete "Gelechia Artemisiella, Tr., Swanage coast; occasionally taken on the downs." The specimens on which the entry was made were merely forms (caught) of *G. anthyllidella* (recorded Proc., D.F.C., VI., 169) and both E.R.B. and Rev. C. R. Digby are quite sure that they have never taken *G. artemisiella* in Purbeck.

For "Gelechia Affinella, Hw." read "Gelechia Similis, Dgl." This entry was made on the

authority of Rev. C. R. Digby, but E.R.B. has carefully examined *all* the specimens (now in coll. G. W. Bird) taken by him in Purbeck, and supposed to be *affinella*, Hw., and they are all undoubtedly *similis*, Dgl., as are all the specimens that E.R.B. has taken or bred himself in Purbeck. On his mentioning these facts (1894) to Rev. C. R. Digby, he said that he had no doubt that the correction was right.

- p. 209. For "*Gelechia Ligulella*, Z.," read "*Gelechia Vorticella*, Z." See under *GELECHIA VORTICELLA*, Z., in the present 2nd supplementary list.
- p. 213. For "*Nepticula Gratosella*, Stn.," read "*Nepticula Ignobilella*, Stn."

The nomenclature adopted in the first list and the first supplement is that of Merrin's *Lepidopterist's Calendar* (1875), and the present being only a second supplement and not a new list, I have thought it best, to prevent confusion, to use the same nomenclature, placing within brackets any synonyms which have been shewn to have prior claims, and which are more generally used at the present time. Where Mr. Eustace R. Bankes' name occurs as the authority for a capture or otherwise in the notes, it is designated for convenience by the initials (E.R.B.); other captors' names are given in full. A list of abbreviations used for the names of the authors of the descriptions of the various species is appended.

The Author's names with the abbreviations used are as follows:—*Auct. Angl.* Auctorum Anglicorum; *B.* Boisduval; *Ba.* Barrett; *Ben.* Bentley; *Bk.* Borkhausen; *Bnks.* Bankes; *Bou.* Bouché; *Br.* Bruand; *C.* Curtis; *Clms.* Clemens; *D.* Duponchel; *Db.* Doubleday; *Dg.* Douglas; *Drt.* Durrant; *Dyar*, Dyar; *E.* Esper; *F.* Fabricius; *Fisch.* Dr. F. Fischer; *F.R.* Fischer E. von Röslerstamm; *Frey.*

Frey ; *Frr.* Freyer ; *Fro.* Frölich ; *G.* Guenée ; *H.* Hübner ; *Hein.* Heinemann ; *Hey.* Heyden ; *Hf.* Hufnagel ; *Hrng.* Hering ; *H.-S.* Herrick-Schaffer ; *Htch.* Hatchett ; *Hw.* Haworth ; *L.* Linné ; *Lch.* Leach ; *Lnig.* Lienig ; *Ls.* Laspeyres ; *Lt.* Latreille ; *M.* Mann ; *Merrin,* Merrin ; *O.* Ochsenheimer ; *Rdsn.* Richardson ; *Rtz.* Ratzeburg ; *S.* Scopoli ; *Schiff.* Schiffermiller ; *S.V.* Systematisches Verzeichniss der Weines Gegend ; *Sax.* Saxesen ; *Ss.* Stephens ; *Stdgr.* Staudinger ; *Stn.* Stainton ; *Thnb.* Thunberg ; *Thrfl.* Threlfall ; *Tr.* Treitsche ; *Tutt,* Tutt ; *Va.* Vaughan ; *Wood,* Dr. J. H. Wood ; *Wk.* Wocke ; *Wlsm.* Walsingham ; *Z.* Zeller ; *Zk.* Zincken.

In Mr. E. R. Bankes' notes, Corfe Castle is sometimes written in full, but generally designated as Corfe. It is always alluded to as "Corfe" in the following list for the sake of brevity :—

DIURNI.

VANESSIDÆ.

ARGYNNIS, *F.*

ARGYNNIS ADIPPE, *L.* Swanage ; one taken by Mr. S. W. Kemp in Aug., 1899, and recorded in *Entom.*, XXXII., p 260.

VANESSA, *F.*

VANESSA ANTIOPA, *L.* Swanage ; a specimen was seen flying along the road about half-way between Swanage and Studland by Mr. Arthur W. Geffcken at about 1.45 p.m. on June 1, 1892. As Mr. Geffcken was driving at the time he could not capture the insect, but had an excellent view of it as it flew towards him, and then, when quite close, turned to the left over some bushes : he knows the species thoroughly well, having seen and taken it commonly both on the Continent and in the United States, and feels sure of its identity.

NOCTURNI.

SPHINGIDÆ.

MACROGLOSSA, *O*

- MACROGLOSSA BOMBYLIFORMIS, *O*. (HEMARIS TITYUS, *L.*).
Corfe; one was taken at Rhododendron
flowers in the garden at Norden House, by
E.R.B. on June 4, 1906.

ZENZERIDÆ.

ZENZERA, *Lt.*

- ZENZERA ÆSCULI, *L.* (*Zeuzera pyrina*, *L.*). Swanage; a
full-fed larva was found under a sod, close
to some elm trees near Whitecliff Farm, on
May 26, 1910, by Mr. Leonard Tatchell.

LIPARIDÆ.

LIPARIS, *O*.

- LIPARIS CHRYSORRHEA, *L.* Swanage; one male was taken at
light by Mr. E. B. Nevinson on July 9, 1894.
The specimen has been seen by E.R.B.

GEOMETRÆ.

AMPHIDASYDÆ.

PHIGALIA, *D.*

- PHIGALIA PILOSARIA, *S.V.* (*PEDARIA*, *F.*). Corfe; one
male taken at rest on the front wall of the
Rectory by E.R.B. on Feb. 22, 1896.

AMPHIDASIS, *Tr.*

- AMPHIDASIS PRODROMARIA, *S.V.* (*STRATARIA*, *Hf.*). Corfe;
a male was taken at light by E.R.B. on
Ap. 17, 1895.

BOARMIDÆ.

BOARMIA, *Tr.*

- BOARMIA ABIETARIA, *S.V.* Corfe; one taken by E.R.B. on
July 23, 1902, and one by Mr. F. J. Han-
bury on Aug. 2, 1902. A few others taken
there since by E.R.B.

BOARMIA CINCTARIA, *S.V.* Rempstone ; taken not uncommonly on Scotch fir trunks in the middle of Bushey Heath Plantation by E.R.B. in May, 1891.

TEPHROSIA, *B.*

TEPHROSIA BIUNDULARIA, *E.* Rempstone ; one taken by E.R.B. on May 12, 1890.

„ PUNCTULATA, *S.V.* Holme ; one taken at rest by E.R.B. on May 15, 1901.

GEOMETRIDÆ.

PHORODESMA, *B.*

PHORODESMA BAIULARIA, *S.V.* (PUSTULATA, *Hf.*) Corfe ; two taken by E.R.B. on July 17, 1902.

ACIDALIDÆ.

EUISTERIA, *B.*

EUISTERIA HEPARATA, *S.V.* (OBLITERATA, *Hf.*) Corfe ; one taken by E.R.B. on July 18, 1902.

ACIDALIA, *Tr.*

ACIDALIA INORNATA, *Hw.* Studland ; a fine specimen taken on Studland Heath by E.R.B. on July 16, 1891.

FIDONIDÆ.

NUMERIA, *D.*

NUMERIA PULVERARIA, *L.* Creech Grange ; one taken by E.R.B. in the “ big wood ” on June 12, 1891.

STERRHA, *H.*

STERRHA SACRARIA, *L.* Corfe ; a fine male specimen was taken in a stubble field at Corfe by E.R.B. on Sept. 7, 1895 (vide Ent. Mo. Mag. Ser. 2, VII. 19). Another beautiful male specimen was taken in a grass meadow at Corfe (the next field but one to that wherein the other was taken, and only about 200 or 250 yards from the actual spot !) by E.R.B. on Sept. 6,

1905—just 10 years almost to the very day since the previous one was secured.

LARENTIDÆ.

OPORABIA, *Ss.*

OPORABIA AUTUMNARIA, *G.* Corfe ; one was taken at rest on a birch trunk by E.R.B. on Nov. 7, 1901. [Positively identified as this species by Mr. L. B. Prout, the highest authority on this difficult genus.]

EUPITHECIA, *C.*

EUPITHECIA LARICIATA, *Frr.* Corfe ; taken among larch in Norden new plantation, by E.R.B., in June, 1901.

„ IRRIGUATA, *H.* Corfe ; a splendid specimen seen in the Rectory copse by E.R.B. on Ap. 24, 1893. It was first noticed on the wing, when it could not be identified ; but it then settled, where a grand view of it was obtained ; but it was not secured, owing to a pill box only and no net being available.

„ ASSIMILATA, *Db.* Corfe ; one taken by E.R.B. on Aug. 9, 1906.

„ SOBRINATA, *H.* Rempstone Heath ; several taken by E.R.B. among juniper growing in a fir wood in Aug., 1889.

COLLIX, *G.*

COLLIX SPARSATA, *H.* Corfe ; one (much worn, but identified certain) was taken amongst *Lysimachia vulgaris* by E.R.B. on July 29, 1901 (a remarkably late date !), and another on July 12, 1902.

THERA, *Ss.*

THERA FIRMATA, *H.* Corfe ; one (identified by E.R.B.) was taken by Mr. P. Helps at Norden in 1899 ; one taken by E.R.B., also at Norden, on July 19, 1902 ; and others since. Uncommon.

CIDARIA, *Tr.*

CIDARIA SILACEATA, *S.V.* Corfe ; one taken at rest in the Rectory shrubbery by Rev. C. R. Digby on Aug. 25, 1893.

DREPANULÆ.

DREPANULIDÆ.

PLATYPTERYX, *Ls.*

PLATYPTERYX HAMULA, *S.V.* Corfe ; one beaten from Alder (oak growing near) by E.R.B. in "Scotland" rough field on June 10, 1891.

PSEUDO-BOMBYCES.

NOTODONTIDÆ.

NOTODONTA, *O.*

NOTODONTA TREPIDA, *E.* Corfe ; a young larva was found on oak on July 4, 1905. [Owing to its being sickly it was preserved in spirits of wine.]

NOCTUÆ.

BOMBYCOIDÆ.

ACRONYCTA, *Tr.*

ACRONYCTA LEPORINA, *L.* Corfe ; two bred from birch, June 20 and 25, 1902, by E.R.B. One has been taken at Studland by Mr. L. W. Bristowe.

LEUCANIDÆ.

LEUCANIA, *Tr.*

LEUCANIA VITELLINA, *H.* Swanage ; two specimens were taken at sugar, above Durlston Bay, by Mr. Arthur Rose, in 1900. Studland ; several taken by Messrs. Rippon and Tautz in 1908.

„ TURCA, *L.* Swanage ; four specimens were taken on the wing by Mr. W. Edwards on July 11, 1903.

LEUCANIA ALBIPUNCTA, *S.V.* Swanage; one specimen was taken "on ragwort flowers in a rough field between the Waterworks and stone quarries," by Mr. A. U. Battley, early in Sep., 1901. Studland; four were taken by Mr. P. H. Tautz in Aug., 1908.

„ EXTRANEAE, *G. (UNIPUNCTA, Hw.)*. Corfe; a fine specimen taken at sugar in the Rectory shrubbery on Oct. 12, 1891.

„ STRAMINEAE, *Tr.* Studland; one was taken at sugar by Mr. Percy H. Tautz on Aug. 6, 1908. [The specimen has been seen by E.R.B.]

SENTA, *Ss.*

SENTA ULVÆ, *H. (MARITIMA, Tausch.)*. Studland; one was taken at light by Mr. P. H. Tautz on Aug. 11, 1909. [The specimen has been seen by E.R.B.]

NONAGRIA, *O.*

NONAGRIA FULVA, *H.* Corfe; one taken by E.R.B. on Sept. 24, 1892. Studland; two in 1908 (P. H. Tautz).

„ GEMINIPUNCTA, *Htch.* Swanage Coast; two specimens were bred on Aug. 4 and 11, 1895, by Mr. E. B. Nevinston from pupæ found by him in stems of common reed (*Arundo phragmites*) in July. Studland; the larva was found by E.R.B. and identified by him as this species on June 3, 1887; but the record was accidentally omitted from the previous lists of Purbeck Lepidoptera.

„ TYPHÆ, *E.* Swanage Coast; larvæ and pupæ found in stems of *Typha latifolia* by Messrs. B. G. and E. B. Nevinston and by E.R.B. in July, 1895; the moths emerged in the following month. Mr. E. B. Nevinston was the first to find it in Purbeck.

APAMIDÆ.

HYDRÆCIA, *G.*

HYDRÆCIA PALUDIS, *Tutt.* Studland; a few specimens were met with near South Haven by Mr. W. Parkinson Curtis in Aug., 1908. Getting it plentifully at Poole, he, however, only troubled to take one of them.

APOROPHYLA, *G.*

APOROPHYLA AUSTRALIS, *B.* Swanage; taken at ivy bloom by Mr. A. B. Farn in Sep., 1893; also by Mr. S. W. Kemp in 1899 (*Entom.* xxxii., 260), and by Mr. A. U. Battley in Sep., 1901.

NEURIA, *G.*

NEURIA SAPONARIÆ, *Bk.* (*HELIOPHOBUS RETICULATA*, *Vill.*) Swanage; one was taken on Ballard Down by Mr. W. Parkinson Curtis on July 4, 1905.

APAMEA, *O.*

APAMEA FIBROSA, *H.* (*LEUCOSTIGMA*, *H.*) Studland; one was taken at sugar by Mr. P. H. Tautz on Aug. 29, 1909. The specimen has been seen by E.R.B.

MIANA, *Ss.*

MIANA FURUNCULA, *S.V.* Corfe; Swanage; &c.; Common (E.R.B.).

„ *ARCUOSA*, *Hw.* Corfe; one taken on the wing at dusk by E.R.B. on July 15, 1890, and others since.

CARADRINIDÆ.

CARADRINA, *Tr.*

CARADRINA ALSINES, *Bk.* Corfe; (E.R.B.). Swanage; (E.R.B.). Examples of this species taken by E.R.B. both at Corfe and Swanage were found by him when sorting through his Caradrinidæ in Jan., 1895.

CARADRINA AMBIGUA, *F.* Studland; one (identified by E.R.B.) was taken by Mr. Frederick Whitehead in Aug. or Sep., 1896. Swanage; one (identified by E.R.B.) was taken by Mr. Percy M. Bright in 1892, and several at sugar and ragwort flowers by Mr. A. U. Battley in Sep., 1901. Mr. W. Parkinson Curtis reports it as not uncommon in 1907 in this locality.

NOCTUIDÆ.

AGROTIS, *O.*

AGROTIS OBELISCA, *S.V.* Studland; a few (one of which was seen by E.R.B.) were taken at sugar by Mr. Percy H. Tautz in 1907, and in each of the following years.

„ AGATHINA, *D.* Studland; one taken at light by Rev. C. R. Digby in 1890. Not new to the Purbeck list, but only previously recorded from there as occurring on Wareham Heath by Mr. C. W. Dale in his Lepidoptera of Dorsetshire.

NOCTUA, *L.*

NOCTUA UMBROSA, *H.* Studland; about a dozen were taken at sugar by Mr. P. H. Tautz during Aug., 1909, and a few in each of the two preceding years.

„ BAIA, *S.V.* Corfe; occasionally taken by E.R.B. It should have been included in the earlier supplement to the Purbeck list, as one, now in his series, was bred from Corfe by E.R.B. in 1886, and another was taken there by him in 1892. Others were taken by him in 1902.

HADENIDÆ.

EREMOBIA, *Ss.*

EREMOBIA OCHROLEUCA, *S.V.* Worth; one boxed off a scabious flower by E.R.B. on Sep. 3, 1889.

DIANTHÆCIA, *B.*

DIANTHÆCIA CUCUBALI, *S.V.* Corfe ; a larva, certainly belonging to this species, was found on seed-head of *Lychnis flos-cuculi* in Corfe Rectory Copse by E.R.B. in 1895. It fed well for some time, but died before pupation. An imago was taken at Corfe by Mr. Philip Helps in 1899.

DASYPOLIA, *G.*

DASYPOLIA TEMPLI, *Thnb.* Swanage Coast ; larvæ found sparingly in stems and roots of *Heracleum sphondylium* by Mr. E. B. Nevinson and E.R.B. in July, 1895. The entire credit of the discovery is due to Mr. Nevinson. From the larvæ then found, nine moths were bred, Sep. 13—Oct. 8, by Mr. Nevinson, and two by E.R.B., a male on Sep. 26, and a female on Oct. 16, 1895.

EPUNDA, *D.*

EPUNDA LICHENEA, *H.* Swanage ; taken at ivy bloom by Mr. A. B. Farn in Sep., 1893, and taken and bred there since by Mr. G. Russell-Wright and E.R.B.

HADENA, *O.*

HADENA PROTEA, *S.V.* Corfe ; one taken at sugar by E.R.B. on Oct. 9, 1891, and several others since, including a specimen of var. *VARIEGATA*, *Tutt*, taken at sugar in the Rectory copse by E.R.B. on Sep. 28, 1892.

„ SUASA, *S.V.* Wych ; one taken flying over the salt marsh at dusk by E.R.B. on June 20, 1892.

„ GENISTÆ, *Bk.* Swanage ; one taken on Ballard Down by Mr. W. Parkinson Curtis on June 16, 1907.

XYLINIDÆ.

CUCULLIA, *Sk.*

CUCULLIA CHAMOMILLÆ, *S.V.* Studland ; 6 larvæ, some of which produced moths in 1897, were found on and fed up on *leaves* of *Matricaria inodora* by E.R.B. on June 15, 1896. Corfe ; larvæ found by E.R.B. in 1900.

HELIOTHIDÆ.

HELIOTHIS, *O.*

HELIOTHIS DIPSACEA, *L.* Studland ; in 1898 Mr. E. N. Blanchard, of Poole, shewed E.R.B. in his collection specimens taken by himself at Studland some years previously. Two taken there in 1909 by Mr. P. H. Tautz.

ACONTIIDÆ.

ACONTIA, *Tr.*

ACONTIA LUCTUOSA, *S.V.* Corfe ; one was taken by E.R.B. on June 29, 1897. Swanage ; taken by Mr. S. W. Kemp in 1899 and several by E.R.B. in 1906.

ERASTRIIDÆ.

ERASTRIA, *Tr.*

ERASTRIA FUSCULA, *S.V.* Corfe ; one taken by E.R.B. on July 12, 1902, and another by him on July 25, 1905, and a few others since.

ANTHOPHILIDÆ.

MICRA, *G.*

MICRA PARVA, *H.* Wych ; a specimen was taken within a foot of the very edge of the water of Poole Harbour by E.R.B. at about 6.0 p.m. on June 8, 1892.

LIMBATÆ.

CATOCALA, *O.*

CATOCALA ELECTA, *Bk.* Corfe ; one taken in a "trap" for wasps and flies inside the walled garden of the

Rectory by E.R.B. on Sep. 12, 1892. The only other specimen ever taken in Britain was captured at sugar near Brighton by Mr. A. C. Vine on Sep. 24, 1875.

PYRALIDES.

HYDROCAMPIDÆ.

CATACLYSTA, *H.*

CATACLYSTA LEMNALIS, *L.* Stoborough; locally common in ditches in the water-weadows. (E.R.B.)

BOTYDÆ.

BOTYS, *Lt.*

BOTYS LANCEALIS, *S.V.* Corfe; one taken by E.R.B. on July 15, 1895.

LEMIODES, *G.* (PSAMMOTIS, *H.*)

LEMIODES (PSAMMOTIS) PULVERALIS, *H.* Corfe; one (identified by W. H. B. Fletcher and E.R.B.) rather worn specimen was taken at Norden by Master Rowley Helps in July or the beginning of August, 1899. Recorded in Ent. Mo. Mag. 2 Series, x., 289 (1899). A few were taken also at Norden, and doubtless in the same spot as R. Helps took it, by F. Capel Hanbury and E.R.B. in July—August, 1901.

CRAMBITES.

CRAMBIDÆ.

CRAMBUS, *F.*

CRAMBUS SALINELLUS, *Tutt.* Studland; a fine specimen (identified by E.R.B.) was taken by Mr. E. B. Nevinson in July, 1894.

(CALAMATROPHA, *Z.*)

„ (CALAMATROPHA) PALUDELLUS, *H.* Studland; one (identified by E.R.B.) was taken at light on

the heath by Mr. Percy H. Tautz on Aug. 8, 1909.

PHYCIDÆ.

HOMÆOSOMA, *G.*

HOMÆOSOMA NEBULELLA, *S.V. (H.)* Swanage Coast ; one was taken by E.R.B. on July 27, 1897. Corfe ; one was taken by E.R.B. on July 11, 1902. Swanage ; one taken by Major R. B. Robertson in 1899.

EPISCHNIA, *H.*

EPISCHNIA BANKESIELLA, *Rdsn.* Swanage Coast ; larvæ of all sizes found rather plentifully in webs on *Inula crithmoides* in one spot on the Coastline by E.R.B., on May 24, 1898. The moths were successfully reared in due course. Recorded as new to Purbeck List in Ent. Mo. Mag. 2 Ser. x., 236 (1899).

[Note by N. M. Richardson—This species probably occurs wherever *Inula crithmoides* is found on the coast, as I have met with it at Lulworth since its original discovery as a species new to science by Mrs. Richardson and myself at Portland. See Proc. D.F.C., X., 192 and plate, XV., 66, XVII., 173, XIX., 155, and plate of moth, larva, and mode of feeding.]

EPHESTIA, *G.*

EPHESTIA KUEHNIELLA, *Z.* Corfe ; one was taken in Norden House (in a room where there had been no fire since the previous winter) by E.R.B. on Nov. 27, 1910.

„ PINGUIS, *Hw.* Corfe ; a fine specimen was taken on Aug. 13, 1891, by Rev. C. R. Digby, who beat it from the E. hedge of the Rectory copse.

PHYCIS, *F.* (DIORYCTRIA, *Z.*)

PHYCIS ABIETELLA, *S.V.* (DIORYCTRIA DECURIELLA, *H.*) Studland ; a few have been taken at light by Rev. C. R. Digby. Corfe ; one was taken, by beating, by F. Capel Hanbury, Esq., on June 28, 1901 (*teste* E.R.B.), and several by E.R.B. since. Note.—PHYCIS (NEPHOPTERYX) SPLENDIDELLA, *H.-S.* (DIORYCTRIA SPLENDIDELLA, *H.-S.* = SYLVESTRELLA, *Rtz.*) Swanage Coast ; one specimen was taken by Rev. C. R. Digby in Punfield Cove in Aug., 1879. There are no spruce firs or firs or pines of any sort within a *very* long distance ; but this insect has several times occurred in equally unexpected places. (See Ent. Mo. Mag. 2nd ser. II., 221.) Mr. Digby's specimen has always been standing in his series with some genuine *decuriella*, *H.* (= *abietella* *S.V.*) of which he has taken a few at Studland ; but after a careful comparison of it with specimens of both these closely allied species, I have not the slightest hesitation in identifying it as the true *splendidella* *H.-S.* It is a decidedly larger insect than the other, and always has a noticeable reddish-brown patch (band) before the first line. [This is the specimen recorded in the original Purbeck list in Proc. D.F.C., VI., 158, as *Phycis abietella*, *S.V.*, but the name *abietella* belongs to the smaller species.]

RHODOPHÆA, *G.*

RHODOPHÆA ADVENELLA, *Zk.* Studland ; one beaten out of a hedge and secured by E.R.B. on July 28, 1896. Corfe ; one, beaten from blackthorn, was taken by E.R.B. on Aug. 2, 1901.

(ACROBASIS, Z.)

RHODOPHÆA RUBROTIBIELLA, *F.R.* (ACROBASIS TUMIDANA, *S.V.*) Studland; one was taken by Rev. F. H. Fisher on Aug. 7, 1904.

TORTRICES.

TORTRICIDÆ.

DICHELIA, *G.*

DICHELIA GROTIANA, *F.* Corfe; one taken (at Norden by beating) by F. Capel Hanbury, Esq., on July 28, 1901 (*teste* E.R.B.). New to Dorset List. Corfe; one taken (near "Scotland Copse," beaten from oak) by E.R.B. on July 14, 1902.

PERONEA, *C.*

PERONEA SPONSANA, *F.* Corfe; taken not uncommonly during some years past by E.R.B., and also bred by him from larvæ found feeding on birch (*Betula alba*) at Corfe. The fact of its not being already in the Purbeck list has been overlooked till now.

„ AUTUMNANA, *H.* (RUFANA, *Schiff.*) Corfe; one specimen taken amongst *Myrica gale* in a bog on the heath by E.R.B. on Oct. 16, 1900.

„ PERPLEXANA, *Ba.* Corfe; taken sparingly in the Rectory Copse by E.R.B. in Aug., 1891.

PENTHINIDÆ.

PENTHINA, *Tr.*

PENTHINA PICANA, *Fro.* (CORTICANA, *H.*) Corfe; one taken among birch by E.R.B., June 25, 1902, and others since.

SPILONOTIDÆ.

SPILONOTA, *C.* (HEDYA, *H.*)

SPILONOTA (HEDYA) LARICIANA, *Z.* Corfe; taken not uncommonly among larch by E.R.B. in July, 1900.

SPILONOTA ACERIANA, *M.* Swanage; the larva found not uncommonly feeding in its characteristic way in shoots of young poplars in villa gardens by E.R.B. in June, 1891.

SERICORIDÆ.

SERICORIS, *Tr.*

SERICORIS BIFASCIANA, *Hw.* Corfe; taken plentifully amongst *Pinus pinaster* by E.R.B. in July, 1900. Also bred therefrom.

MIXODIA, *G.* (PÆDISCA, *Tr.*)

MIXODIA (PÆDISCA) RATZEBURGHIANA, *Sax., Rtz.* Corfe; bred plentifully by E.R.B. in July from larvæ in shoots of spruce fir collected in June, 1900.

SCIAPHILIDÆ.

SCIAPHILA, *Tr.*

SCIAPHILA CHRYSANTHEANA, *D.* Swanage Coast; taken by E.R.B. rarely. Corfe; rare. (E.R.B.)

GRAPHOLITHIDÆ.

PÆDISCA, *Tr.*

PÆDISCA OPPRESSANA, *Tr.* Corfe; one taken among *Populus nigra* by E.R.B. on June 23, 1900, and another by him on July 16, 1901.

„ OCCULTANA, *Dg.* (DINIANA, *Gu.*) Corfe; one taken among larch by E.R.B. on July 20, 1901. New to Dorset List.

„ SORDIDANA, *H.* (STABILANA, *Ss.*) Corfe; taken commonly among alders by E.R.B. in 1902, also bred therefrom.

EPHIPPIPHORA, *G.*

EPHIPPIPHORA CIRSIANA, *Z.* (CNICICOLANA *Z. ?* *) Swanage Coast; taken not uncommonly in a damp

* NOTE.—Mr. E. Meyrick, F.R.S., informs me that *E. cnicicolana* is a strictly South European form (Sicily to Dalmatia), very similar to *cirsiana*, but considerably smaller, with some slight differences of marking, perhaps of doubtful distinctness, from that variable species.

hollow in the clay cliffs by Punfield Cove by E.R.B. on May 12, 1893. Kimmeridge Coast; common. Feeds in roots of *Inula dysenterica*.

EPHIPPIPHORA TRIGEMINANA, *Ss.* (= COSTIPUNCTANA, *Hw.* ?) Swanage Coast; not uncommon among *Senecio jacobæa* on the steep rough cliff slopes. (E.R.B.)

COCYX, *Tr.*

COCYX SPLENDIDULANA, *G.* Corfe; one taken by E.R.B. on May 23, 1890.

„ DISTINCTANA, *Ben.* Corfe; a beautiful specimen was taken in the Rectory shrubbery by E.R.B. on June 2, 1892.

COCYX, *Tr.* (STEGANOPTYCHA, *Ss.*)

COCYX (STEGANOPTYCHA) SUBSEQUANA, *Hw.* Corfe; three specimens were taken and about three others seen far out of reach, among spruce fir (at Kingston) by E.R.B. on May 19, 1908. The species was evidently almost over by this date, and is probably common in one fair-sized spruce fir at the right time; the many other spruces in the same plantation were tried in vain, except for one small one that yielded a single individual. [Note by N. M. Richardson—I have found this species, which I took at Langton Herring, near Weymouth, in 1889 and subsequent years, more attached to silver fir than spruce, but never common. Proc. XI., 77, and Plate, fig. 5.]

RETINIA, *G.*

RETINIA PINICOLANA, *Db.* Corfe; beaten not uncommonly from Scotch fir by E.R.B. in July, 1901, and since. (New to Dorset List.) The erroneous entry of this species in the original Purbeck List was corrected in the "First Supplement" to it.

RETINIA SYLVESTRANA, *C.* Corfe ; a few were bred from male catkins of *Pinus pinaster* by E.R.B. in July, 1901, and others since.

OPADIA, *G.*

OPADIA FUNEBRANA, *Tr.* Corfe ; a full-fed larva found in a ripe greengage picked in the Rectory Garden on Aug. 19, 1898, and the traces of another soon afterwards which had fed inside a "golden-drop" plum. The moth emerged on July 3, 1899.

STIGMONOTA, *G.*

STIGMONOTA CONIFERANA, *Rtz.* Rempstone ; 2 taken among Scotch fir in Bushey Heath plantation by E.R.B. on July 7, 1890.

DICRORAMPHA, *G.*

DICRORAMPHA ALPINANA, *Tr.* Studland ; 4 taken amongst tansy by E.R.B. on Aug. 4, 1894.

„ SEQUANA, *H.* Corfe ; 2 taken in a rough pasture close to Blashenwell Farm by E.R.B. on June 15, 1891.

CATOPTRIA, *G.*

CATOPTRIA ALBERSANA, *H.* Corfe ; 2 taken on the wing in the evening in Scotland rough field by E.R.B. on June 5, 1891.

TRYCHERIS, *G.*

TRYCHERIS MEDIANA, *S.V.* Swanage ; one taken at rest by Rev. C. R. Digby on July 7, 1890, and others since.

NOTE.—CARPOCAPSA SPLENDANA, *H.* Corfe ; occasionally met with. (Erroneously recorded as GROSSANA, *Hw.*, in "Lepidoptera of Purbeck," Proc. D.F.C., VI., 36.)

PYRALOIDÆ.

SIMÆTHIS, *Lch.*

SIMÆTHIS VIBRANA, *H.* Corfe ; a single specimen of this great rarity was taken on the wing in a rough field of mixed herbage at about 6.15 p.m. on Sept. 14, 1889, by E.R.B.

CONCHYLIDÆ.

EUPÆCILIA, *Ss.*

EUPÆCILIA GEYERIANA, *Auct. Angl.* (nec. *H.-S.*) Corfe ; 2 fine specimens taken, one on May 31, 1889, the other on Aug. 19, 1889, by E.R.B. on Scotland Heath bogs, have been identified by C. G. Barrett. Many have been taken in one heath bog since by E.R.B., who has also bred it from seed-pods of *Menyanthes trifoliata* (Bog-bean). (For description of larva by N. M. Richardson, and plate by Mrs. Richardson see Proc. D.F.C., XIII., 168.)

„ MANNIANA, *F.R.* Corfe ; a specimen of this great rarity was taken, flying in the evening, in a bog on Scotland Heath by E.R.B. on June 25, 1889. It has been duly identified by Mr. C. G. Barrett.

CHROSIS, *G.*

CHROSIS BIFASCIANA, *H.* (= AUDOUINANA, *Dp.*) Corfe ; one, beaten out of spruce fir, was taken by E.R.B. on July 16, 1901, and others since.

TINÆ.

PSYCHIDÆ.

PSYCHE, *Br.* (FUMEA, *Hb.*).

PSYCHE (FUMEA) INTERMEDIELLA, *Br.* Studland ; one specimen (a fine male) lately found and identified by E.R.B. among Rev. C. R.

Digby's former captures (now in Coll. G. W. Bird). The specimen was taken by Rev. C. R. Digby at Studland on Aug. 1, 1885.

TINEIDÆ.

TINEA, *Stn.* (MEESSIA).

TINEA (MEESSIA) RICHARDSONI, *Wlsm.* (VINULELLA, *Rdsn.*). Punfield Cove, near Swanage ; a nice specimen [recently (cir. 1896) found labelled *X. argenti-maculella*, in Coll. G. R. Bird, and identified by E.R.B. as *T. richardsoni*] was taken by Rev. C. R. Digby on a grass stem on July 8, 1882. Bred sparingly in 1896 and plentifully in 1897 by E.R.B. from cases found on the underside of rocks and stones in the same locality. This species has hitherto been only recorded from Portland in 1891 and bred where it was discovered in 1894 by N. M. Richardson. (See Proc. D.F.C. XVI., 81, and figs. on plate by Mrs. Richardson. Also Ent. Mon. Mag. XXXI., 61, XXXVI., 176.)

TINEA, *Stn.* (MONOPIS, *Hb.*)

TINEA (MONOPIS) CROCICAPITELLA, *Clms.* (= LOMBARDICA. *Hrng.*, = HERINGI, *Rdsn.* = HYALINELLA, *Stdgr.*, = FERRUGINELLA, *Dyar*, nec. *H.*). Studland ; taken rather commonly on dry, grassy banks near the sea at Southaven, &c., by Rev. C. R. Digby in and about 1889 and 1892. (See Ent. Mon. Mag. XLVIII., 39, and Plate.)

TINEA, *Stn.* (PHYLLOPORIA, *Hein.*).

TINEA (PHYLLOPORIA) BISTRIGELLA, *Hw.* Corfe ; one swept from birch in Norden plantation by E.R.B. on June 14, 1901.

MICROPTERYX, *Z.*

MICROPTERYX ARUNCCELLA, *S.* Corfe ; taken in company with *M. calthella* and *seppella* by sweeping

amongst *Veronica chamædrys*, &c., in "Scotland" rough field by E.R.B. in June, 1890. It is firmly believed by E.R.B. to be merely a variety of *M. seppella*.

- MICROPTERYX SEMIPURPURELLA, *Ss.* Rempstone; taken not uncommonly among the birch-trees in Goat-horn plantation by Rev. C. R. Digby and E.R.B. on April 19, 1892. Corfe; by E.R.B.
- „ SANGII, *Wood.* Corfe; on May 16-18, 1895, three undoubted larvæ of this species were found by E.R.B. on birch in the Rectory shrubbery, and preserved in spirit of wine so that there may be no question of their identity, for the moths are sometimes inseparable from *M. semipurpurella*.
- „ KALTENBACHII, *Stn.* Corfe; one taken in the Rectory Copse by E.R.B. on April 22, 1892, and a few more during the next few days.

ADELA, *Lt.*

- ADELA RUFIMITRELLA, *S.* Corfe; taken not uncommonly in Norden Copse by E.R.B. in May, 1901.
- „ VIRIDELLA, *L.* Creech Grange; one taken by E.R.B. on May 25, 1900. Corfe; one taken by E.R.B. on June 1, and another by him on June 3, 1901. Arne; taken by E.R.B.

YPONOMEUTIDÆ.

YPONOMEUTA, *Lt.* (HYPONOMEUTA, *Z.*).

- YPONOMEUTA (HYPONOMEUTA) PLUMBELLA, *S.V.* Corfe; one taken by Rev. C. R. Digby on Aug. 13, 1891. Locally common. (E.R.B.) [N.B.—This species was wrongly entered in the original Purbeck list, the specimen there recorded by Rev. C. R. Digby being the grey var. of *Y. padella*.]
- „ RORELLUS, *Hb.* Kimmeridge Coast; one was taken by E.R.B. near Chapman's Pool, on

July 26, 1895. In November, 1907, it was identified by E.R.B. with 4 other British specimens in his collection as certainly *rorellus*, *Hb.*, which species was not then known to occur in the British Isles.

PLUTELLIDÆ.

YPSOLOPHA, *F.*

YPSOLOPHA SYLVELLA, *L.* Corfe; one taken on Aug. 13, 1884, and another in 1893, both by E.R.B.

GELECHIDÆ.

DEPRESSARIA, *Hw.*

DEPRESSARIA BIPUNCTOSA, *C.* Corfe; this obscure and very little known species has been taken sparingly on the wing at night, by E.R.B., in 1890 and following years in one old pasture field, where knapweed (*C. nigra*) and a variety of other such plants are plentiful.

„ SCOPARIELLA, *Hein.* Corfe; a few were bred by E.R.B. in Aug., 1904. It appears to be not uncommon locally.

„ HYPERICELLA, *H.* Corfe; bred from shoots of *Hypericum* by E.R.B. in July, 1890.

* GELECHIA, *Stn.*

GELECHIA CELERELLA, *Dg. (true).* Studland; a few specimens taken by Rev. C. R. Digby and E.R.B. at Southaven on Aug. 18, 1890, and a good many by the latter since.

GELECHIA, *Stn.* (BRYOTROPHA, *Hein.*)

GELECHIA (BRYOTROPHA) TETRAGONELLA, *Stn.* Studland; taken in fair numbers, flying in the salt

* NOTE.—GELECHIA (ANACAMPSIS) VORTICELLA, *Z.* Corfe; three taken in the Bucknowle rough field amongst *Genista tinctoria* on July 13-15, 1891, by E.R.B. Identified as *vorticella* by Mr. H. T. Stainton. [N.B.—*Vorticella* was erroneously entered as *ligulella* in the First Supplement to the Purbeck List. Proc. D.F.C., X., 209.]

marsh at Southaven in the evening, by Rev. C. R. Digby and E.R.B. on June 24-29, 1892.

GELECHIA, Stn. (LITA, Tr.).

GELECHIA (LITA) MACULELLA, Ss. (MACULEA, Hw.). Corfe ; one taken by E.R.B. on Aug. 22, 1891.

„ „ *SEMIDECANDRELLA, Thrfl.* Studland ; 2 specimens (*teste* E.R.B.) taken near the shore by Rev. C. R. Digby on July 17, 1888, have remained unidentified until now, but they are clearly this species.

„ „ *SALICORNIE, Hrng.* Wych ; two taken in a salt marsh by E.R.B. on July 31, 1894.

GELECHIA, Stn. (XYSTOPHORA, Hein.).

GELECHIA (XYSTOPHORA) LUTULENTILLA, Z. Corfe ; one netted on the wing in the evening by E.R.B. on July 15, 1890, and taken by him abundantly in subsequent years at night in one meadow.

PARASIA, D. (METZNERIA).

PARASIA (METZNERIA) METZNERIELLA, Stn. Corfe Castle ; one was taken by E.R.B. on Aug. 11, 1909.

SOPHRONIA, Stn.

SOPHRONIA PARENTHESILLA, L. Corfe ; one was taken by E.R.B. on July 10, 1903 (new also to Dorset !), another on July 15, 1903, and another on July 16, 1907.

BUTALIS, Tr.

BUTALIS LAMINELLA, H.-S. Swanage ; taken by sweeping amongst *Helianthemum vulgare* during bright sunshine in Punfield Cove in June, 1890, by E.R.B., and plentifully by him in the same place in the following years.

PANCALIA, *Stn.*

PANCALIA LATREILLELLA, *C.* Swanage; one taken on Ballard Down by E.R.B. on May 30, 1891. (Identification confirmed by Mr. H. T. Stainton.)

GLYPHIPTERIGIDÆ.*

TINAGMA, *D.* (HELIOZELA, *H.-S.*)

TINAGMA (HELIOZELA) BETULÆ, *Stn.* Corfe; one swept from birch in Norden Plantation by E.R.B. on June 5, 1901.

ARGYRESTHIIDÆ.

ARGYRESTHIA, *Stn.*

ARGYRESTHIA EPHIPPELLA, *F.* Studland; two taken by E.R.B. July 13, 1888.

„ CONJUGELLA, *Z.* Arne; several taken by beating a solitary Mountain Ash tree, by E.R.B., on May 24, 1905.

„ MENDICELLA, *S.* (MENDICA, *Hw.*). Corfe; common among blackthorn (E.R.B.). Swanage; taken commonly by E.R.B. near Swanage in 1890 and since.

„ ARCEUTHINELLA, MERRIN (ARCEUTHINA, *Z.*). Rempstone Heath; abundant among the junipers in the one fir plantation where they grow. Taken by E.R.B. on May 12, 1890.

* NOTE.—ACROLEPIA MARCIDELLA, *C.* Fresh record. Studland; a fine specimen was taken on the wing at about 7 p.m. on the sloping banks overhanging the back shore, by Rev. C. R. Digby on June 15, 1892. This is the third specimen that Mr. Digby has taken there, and they have all occurred within a few yards of the old bathing house with a thatched roof. No. 1 was beaten out of the hedge at the top of the bank; No. 2 taken sitting on a grass stem under the bathing hut; No. 3 netted on the wing within 2 or 3 yards of the hedge at the top of the bank. (Proc. D.F.C., X., 209, and fig. 3 on plate.)

ARGYRESTHIA ATMORIELLA, *Bnks.* Corfe ; taken rather sparingly among larch in Norden new plantation by E.R.B. in June, 1901, and plentifully since.

COLEOPHORIDÆ.

COLEOPHORA, Z.

- COLEOPHORA DEAURATELLA, *Lnig.* Swanage ; taken not uncommonly by sweeping amongst *Trifolium pratense* in one small hollow in the clay cliffs between Swanage and Punfield Cove by E.R.B. on July 17, 1892, and since.
- „ PALLIATELLA, *Zk.* Corfe ; 3 cases were found in Norden Copse by E.R.B. in June, 1901, and 2 moths were bred from them.
- „ THERINELLA, *Stn.* Swanage Coast ; a fine specimen taken by E.R.B. on June 17, 1891.
- „ ALTICOLELLA, *Z.* (LAMPROCARPI, *Wood*). Stoborough ; a few cases found on seedheads of *Juncus articulatus* by E.R.B. on Dec. 29, 1891. Corfe ; cases found on Middlebere heath on Feb. 12, 1891, by E.R.B.
- „ GLAUCICOLELLA, *Wood.* Studland ; larvæ found on seedheads of *Juncus bulbosus* (or *Gerardi* ?) on “the plain” beyond Littlesea by Rev. C. R. Digby on Feb. 18, 1892. They were perfectly unmistakeable on account of the extreme minuteness of some of the cases. Wych ; larvæ not uncommon on *Juncus bulbosus* (or *Gerardi* ?) in April, 1892. E.R.B.)

NOTE.—GRACILLARIA PHASIANIPENNELLA, var. QUADRUPLELLA, *Z.* Studland ; bred with the type from *Rumex*. The species, but not the variety, has been already recorded in the Purbeck list. (Proc. D.F.C. VI., 171.)

COLEOPHORA APICELLA, *Stn.* (CACUMINATELLA, *Db.*) Corfe ;
larvæ found on seeds of *Stellaria graminea* in
hedgerows by E.R.B. in the beginning of
August, 1891. Studland ; larvæ found by
E.R.B. on Aug. 15, 1891.

ELACHISTIDÆ.*

BATRACHEDRA, *Stn.*

BATRACHEDRA PINICOLELLA, *Z.* Rempstone ; 2 taken
amongst Scotch fir in Bushey Heath planta-
tion by E.R.B. on July 7, 1890.

LAVERNA, *C.*

LAVERNA PHRAGMITELLA, *Ben., Stn.* Corfe ; bred in
abundance from old seedheads of *Typha*
latifolia by E.R.B. in July, 1900.

„ DECORELLA, *Ss.* Corfe ; one taken in Norden
House by E.R.B. on Sept. 11, 1900.

ASYCHNA, *Stn.*

ASYCHNA MODESTELLA, *D.* Langton Matravers ; 2 taken
in Crack Lane by Rev. C. R. Digby on May
29, 1891. Corfe ; locally abundant. (E.R.B.)

„ ÆRATELLA, *Z.* Swanage Coast ; one was taken
by sweeping, by E.R.B. on July 8, 1897.
Corfe ; one was taken, by sweeping, by
E.R.B. on Aug. 5, 1901.

STEPHENSIA, *Stn.*

STEPHENSIA BRUNNICHELLA, *L.* Church Knowle (near
Corfe) ; undoubted traces of the work of the
larvæ in leaves of *Clinopodium vulgare* found
rather commonly in Cocknowle Lane by

* CHAULIODUS ILLIGERELLA, *H.* Corfe ; one taken on the wing at
dusk in the Rectory Copse by E.R.B. on June 27, 1892. Not new to
Purbeck List, but a confirmation of the only previous record, viz.,
one specimen at Studland by Mr. C. W. Dale on Aug. 11, 1879.
(Recorded in the 1st Supplement ; Proc. D.F.C., X., 211.)

E.R.B. in Sept., 1892, but it was too late to find either larvæ or pupæ. It seems confined to the chalk, as I have frequently searched for it on other soils in Purbeck, but always in vain.

ELACHISTA, *Stn.*

ELACHISTA GLEICHENELLA, *F.* Corfe ; taken in "Scotland" rough field by E.R.B. in June, 1890.

„ CINEREOPUNCTELLA, *Hw.* Winspit (near Worth) ; taken on June 5, 1889. (E.R.B.)

„ SUBNIGRELLA, *Dg.* Corfe ; a few specimens taken by E.R.B. 1887-1893. Worth ; one taken in 1889 by E.R.B. Its food plant, *Bromus erectus*, is rare in Purbeck.

LITHOCOLLETIDÆ.

* LITHOCOLLETIS, *Z.*

LITHOCOLLETIS SORBI, *Frey.* Corfe ; bred plentifully from mines in the under side of leaves of Mountain Ash (*Sorbus aucuparia*) by E.R.B. in 1896. (N.B.—The imago emerges through the *upper* surface of the leaf, as pointed out by Frey.)

„ TORMINELLA, *Frr.* (MESPILELLA, *H.*). Corfe ; bred from mines on the underside of leaves of Mountain Ash (*Sorbus aucuparia*) by E.R.B. in 1890. Studland ; bred from quince (*Cydonia vulgaris*) by Rev. C. R. Digby in 1884 and 1885.

* LITHOCOLLETIS TRIGUTTELLA, *Stn.* Corfe. From a careful study of the unique specimen in the Douglas collection, E.R.B. had made a note in the spring of 1892 that it was almost certainly a queer variety of *Lith. faginella*. Three weeks later he looked through the long series of *faginella* bred by him April 27—May 12, 1891, and found a genuine *triguttella* among them, thus proving that his supposition was correct. Douglas' specimen is a male, the Corfe one a female.

- LITHOCOLLETIS HEEGERIELLA, Z. Corfe ; on oak (E.R.B.).
- „ OXYACANTHÆ, Frey. Corfe ; mines abundant on hawthorn, and probably throughout Purbeck. Also bred sparingly from mines on *Pyrus aucuparia* collected by E.R.B.
- „ ACERIFOLIELLA, Z. Corfe ; bred from Maple. (E.R.B.) Ulwell ; (Rev. C. R. Digby). Creech ; (E.R.B.)
- „ PYRIVORELLA, Bnks. Corfe ; bred abundantly from cultivated pear trees of various kinds in the Rectory Gardens, and also plentifully from *Pyrus malus* by E.R.B. ; also sparingly from *Pyrus aucuparia* by E.R.B.

LYONETIIDÆ.

OPOSTEGA, Z.

- OPOSTEGA CREPUSCULELLA, Fisch. Corfe ; one taken by E.R.B. on July 11, 1902 ; two more by him on July 25, 1905, and a few others since.

BUCCULATRIX, Z.

- BUCCULATRIX CRATÆGIFOLIELLA, D. (CRATÆGI, Z., Stn.). Swanage ; taken by E.R.B. in June, 1890.
- „ CRISTATELLA, Fisch. Corfe ; 2 taken in "Scotland" rough field on June 11, 1890, by Mr. N. M. Richardson, and a few subsequently in the same spot by E.R.B.

NEPTICULIDÆ.

NEPTICULA, Z.

- NEPTICULA PERPYGMÆELLA, Db. (PYGMÆELLA, Hw., Stn.) Corfe ; bred commonly from hawthorn by E.R.B. in 1890 and subsequently.
- „ POMELLA, Va. Corfe ; larva common on apple trees. (E.R.B.)
- „ FULGENS, Stn. Corfe ; empty mines of this species (which are quite as easily distinguishable from *N. tityrella* as the moths) were

found in beech in Corfe Rectory garden by E.R.B. in Oct., 1898.

- NEPTICULA ACETOSELLA, *Merrin* (ACETOSÆ, *Stn.*) Corfe ; larvæ pretty common (at the E. end of North-castle Hill) in leaves of *Rumex acetosella* growing among the furze bushes. First found by Rev. C. R. Digby on Aug. 24, 1893, and mines both tenanted and empty were then collected by him and E.R.B. Also locally common on the S.E. slope of the hill on which Corfe Castle stands. (E.R.B., 1895.) Creech ; locally common on the hill above Creech Grange. (E.R.B.)
- „ CENTIFOLIELLA, *Z.*, *Stn.* Studland ; bred May, 1879, from larvæ found in *Rosa spinosissima* in the Manor House pony fields by Rev. C. R. Digby in the autumn of 1878. Not satisfactorily determined till 1892.
- „ FRAGARIELLA, *Hey.* (GEI, *Wk.*) Corfe ; bred from bramble in Feb., 1890. (E.R.B.)
- „ CONFUSELLA, *Wlsm.* Corfe ; a mine found by E.R.B. in birch was identified in Sep., 1893, by Dr. J. H. Wood as certainly his then unnamed species, since described as *confusella*.

NOTE.—The following occurs in Mr. Bankes' notes—

“*Nepticula eurema*, Drt. Swanage Coast (Punfield) ; taken plentifully in 1899 by sweeping amongst *Lotus corniculatus*. (E.R.B.).”

But as I cannot discover that any description of a *Nepticula* under this name has been published, and the circumstances strongly suggest *cryptella*, I assume that it was that species or a variety of it, perhaps the variety with pale opposite spots on the forewing alluded to under the record of *Nepticula cryptella* in the first Purbeck List, Proc. D.F.C., VI., 175, which may have been mistakenly thought at one time to be a distinct species, and for which this name may have been suggested. (N. M. Richardson.)

NEPTICULA FLETCHERI, *Tutt.* Corfe ; bred plentifully, in company with *N. anomalella*, from larvæ in leaves of the garden rose growing up the E. front of Corfe Rectory House. (E.R.B.)

TRIFURCULA, Z.

TRIFURCULA IMMUNDELLA, Z. Rempstone Heath ; taken amongst broom by E.R.B. Aug. 19-31, 1889. Corfe ; plentiful amongst broom.

„ PALLIDELLA, Z. Corfe ; taken sparingly amongst *Genista tinctoria* by E.R.B., Sept. 5-18, 1889, and plentifully in the following year. (Only four specimens had been previously taken in Britain, 2 in Lancashire, and 2 in Hertfordshire.)

„ PULVEROSELLA, *Stn.* Corfe ; some empty mines of this species were found on wild apple by E.R.B., July 23, 1897.

PTEROPHORI.

PTEROPHORIDÆ.

PTEROPHORUS, *Lt.*

PTEROPHORUS ISODACTYLUS, Z. Stoborough water meadows ; 4 or 5 larvæ found in stems of *Senecio aquaticus* by E.R.B. on August 2, 1890.

„ GALACTODACTYLUS, *H.* Creech Grange ; bred from larvæ found on burdock by E.R.B. in the “big wood” on June 12, 1891. Corfe ; occurs sparingly in one small spot in a wood.



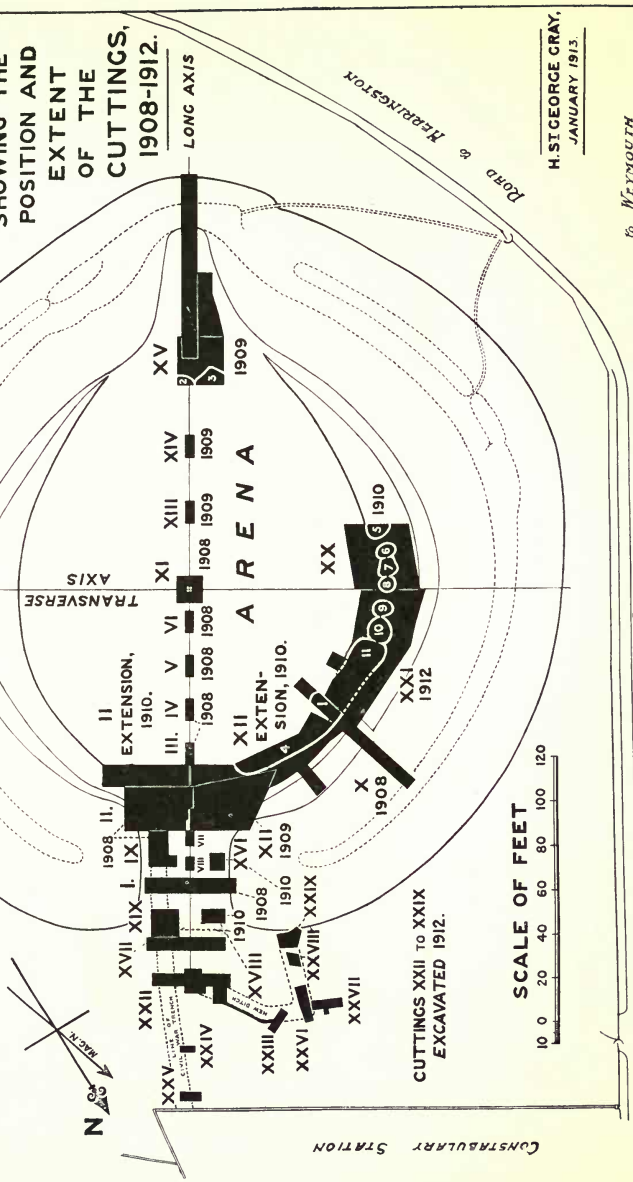
THE RELATIVE POSITION AND NUMBERS OF THE PREHISTORIC
SHAFTS ARE INDICATED IN WHITE ON BLACK.

MAUMBURY RINGS

DORCHESTER

PLATE I.
L. & S. W. RAILWAY

SKETCH-PLAN
OF THE
AMPHITHEATRE
SHOWING THE
POSITION AND
EXTENT
OF THE
CUTTINGS,
1908-1912.



SCALE OF FEET
10 0 20 40 60 80 100 120

H. ST GEORGE GRAY,
JANUARY 1913

to WYEMOUTH

WYEMOUTH AVENUE

From DORCHESTER



Interim Report on the Excavations at Maumbury Rings, Dorchester, 1912.

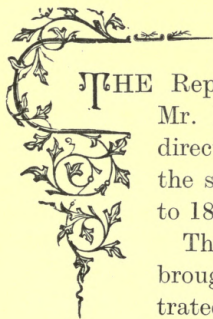
Committee :

H. Colley March, M.D., F.S.A., *Chairman.*

John E. Acland, F.S.A., *Hon. Sec.*

W. M. Barnes	* J. C. Mansel-Pleydell	C. S. Prideaux
J. G. N. Clift	H. B. Middleton	W. de C. Prideaux
J. M. Falkner	* H. Pentin	* N. M. Richardson
R. H. Forster	Alfred Pope, F.S.A.	C. W. Whistler

* *Executive Body, Dorset Field Club.*



THE Report which follows has been prepared by Mr. H. St. George Gray, who has once more directed the investigations for the Committee, the season's work having lasted from 26th Aug. to 18th Sept., 1912.

The many interesting features which were brought to light are fully described and illustrated in the following pages, and all tend to confirm the views previously expressed as to the history of the site, and the character of the work executed at different periods.

The thanks of the Committee are especially due to Mr. C. S. Prideaux for the constant help rendered to Mr. Gray, and for the hospitality accorded to him during his visit. We should also mention Major Willcock and Mr. Sebastian Evans, who almost daily gave assistance on the ground. As in former years, materials and appliances were lent by the Town Council of Dorchester, Messrs. Lott and Walne, Mr. Foot, Mr. Slade, and Mr. Feacey, to all of whom we tender our thanks.

The total expenditure for the year came to £84 6s. 4d., and the receipts to £100 14s. 7d., but charges incidental to the production of this Report have still to be met.

Signed on behalf of the Committee,

H. COLLEY MARCH,

Chairman.

SHORT REPORT ON THE EXCAVATIONS OF 1912.

By H. ST. GEORGE GRAY.

BRIEF DESCRIPTION OF THE PLATES ACCOMPANYING THIS REPORT :—

PLATE I.—Sketch-plan of Maumbury Rings, similar to that given in the Third Interim Report, 1910, the position of the 1912 excavations having been added. It shows the relative position of the cuttings made in 1908, 1909, 1910, and 1912, but the scale is too small to attempt to show structural details. This plan differs, however, from the previous one in indicating the position of the prehistoric shafts so far discovered, and it is seen that they follow the curve of the great embankment at the foot of the interior slope.

PLATE II., FIG. A.—Cutting XXVII., outside the N.N.E. Entrance, September 4th, 1912. Photograph taken from the W.N.W. margin of a grave containing a human skeleton, the knees of which are drawn up. The interment was at a minimum depth of 2·4ft. below the surface of the turf. To the east a smaller excavation in the solid chalk was found, connected with the grave proper, but divided by a slight ridge of chalk. At the bottom of the smaller hole a few iron nails and a dark brown earthenware pot, of Romano-British type, were discovered. The pot (fig. 1 in text) is shown in this photograph in the exact position in which it was uncovered, at a distance of 3·2ft. from the top of the skull.

PLATE II., FIG. B.—Cutting XXI., Shaft X., September 13th, 1912. Part of the back of the skull of a red-deer with antlers attached; photographed in the position discovered in the filling of Shaft X., at a depth of 14·5ft. below the turf over the arena. The skull was found tight against the wall of the shaft. One of the antlers (max. length

3ft. 2ins.) was complete, having brow, bez, and trez tines, and four points on top. A broken antler pick is seen at the bottom of the photograph.

PLATE III.—Cutting XXI., W.N.W. side of the arena, September 13th, 1912. Photograph giving a general view of this large cutting taken from the N.W. terrace, looking S.W.; in the distance the S.W. embankment, and on the extreme left the southern entrance. The solid chalk wall covers a large part of the right-hand side of the photograph, above which the material forming the XVII. Century terrace is seen. Following the line of the eastern margin of the cutting and running nearly parallel to it, the curved edge of the arena is well defined; it is bounded by the "inner trench," in which the position of the post-holes is indicated by wooden pegs. The line of the "outer trench" is represented by the post-holes seen in the middle of the foreground. Owing to the presence of a series of prehistoric shafts, rammed chalk had to be used by the Romans very considerably in this position. The levelling-rod stands on rammed chalk flooring, which, on being removed, revealed Shaft VIII.; the mouths of other shafts are seen in the photograph.

PLATE IV.—Cutting XXI., Shafts VIII., IX., and X., September 18th, 1912. Photograph taken from the N.N.E. showing some of the shafts excavated in the solid chalk in prehistoric times and re-excavated recently to reveal their form, depth, and contents. At the top of the photograph the margin of Shaft VIII. can be traced; this was not re-excavated. Behind the top of the ladder the mouth of Shaft IX. is seen; this was entirely cleared out, its depth being 28·5ft. below the surface of the turf over the arena. The 25-rung ladder stands on the bottom of Shaft X. (depth 25·5ft.); this pit had a double bottom divided by a little chalk ridge 9ins. high. In the immediate foreground comes Shaft XI., the S. half of which was re-excavated to the bottom (depth 28ft.).

PLATE V.—Cutting XXI., Shafts IX., X., and XI., September 18th, 1912. Photograph taken from the S.S.W. from the slope of the terrace, showing Shaft XI. in process of re-excavation. Shaft IX., in the foreground, was cleared out and filled up again before this photograph was taken. The 25-rung ladder rests on the bottom of Shaft X. Dark seams of mould or decayed vegetable matter are seen in the chalk rubble filling of Shaft XI. Very narrow ridges of chalk are seen to divide Shafts IX. and X., and Shafts X. and XI. On the right-hand side the edge of the western curve of the solid chalk arena-floor is seen; Roman remains were found on it.

I.—INTRODUCTORY REMARKS.

Our knowledge of Roman amphitheatres in Britain has been at a standstill from the time of the close of the excavations at Maumbury Rings in 1910 till the renewal of the work at Dorchester in August, 1912. It was anticipated that the exploration of the amphitheatre known as "King Arthur's Round Table" at Caerleon would be continued in 1912, but it has not been found practicable. There is, however, at the present time a scheme before the public to raise £500 to purchase the site of this amphitheatre, to excavate it, and to put the remains in such a state of repair as to enable them to withstand the weather. When completed it is possible that the monument may be handed over to the National Trust. Comparative notes on the Maumbury and Caerleon amphitheatres were given in my third Report, and Mr. John Ward, F.S.A., has since that time put a few notes on record.*

The oval structure at Caerwent has not been proved to be an amphitheatre,† and recent excavations there have revealed nothing of a definite character. There is said to be a circular wall, some 130 feet in diameter, enclosing an octagon, and inside the latter some stonework not yet examined.‡

The director of the Maumbury excavations, as in past years, has received valuable support from the members of the sub-Committee, and the general organisation of the investigations was all that could be desired. Dr. H. Colley March, F.S.A., Captain J. E. Acland, F.S.A., and Mr. W. de C. Prideaux were frequently on the ground; and Mr. Chas. S. Prideaux, without whom the work could not have been carried on with any degree of comfort, showed all his

* *Archaeol. Journ.*, LXIX. (1912), 184, 193, 203.

† *Archaeol. Journ.*, LXIX. (1912), 198.

‡ It is thought that the structure may prove to be some sort of temple.

enthusiasm and acumen of former years; his camping arrangements, with caravan and tents, were even on a more lavish scale than in 1910. The kind assistance of Major S. Willcock and Mr. Sebastian Evans cannot be too warmly acknowledged. As previously, the director has held himself responsible for the recording of the work, the preparation of all plans, sectional drawings and photographs,* as well as the care and repair of the relics discovered. Help in the matter of identifying specimens has been kindly rendered by Mr. E. T. Newton, F.R.S., Mr. Clement Reid, F.R.S., and Mr. W. Denison Roebuck, F.L.S.

In conjunction with this, the Fourth Interim Report, readers are recommended to peruse the previously published papers on the subject, to enable them to interpret the full significance of some of the details of structural interest. The sketch-plan (Plate I.) is intended merely to show the general outline of Maumbury Rings and the relative position of the twenty-nine cuttings already made. The detailed plans, sectional diagrams, and contoured map (it should be repeated in this paper) are reserved for a fuller Report on the excavations.

During this season the investigation of the outer part of the northern entrance was completed, finding the Civil War trench again and the limit of the chalk cut to form a flat roadway leading into the arena. The first cutting (No. XXII.) made, revealed quite a new structural feature, viz., a deep trench of V-shaped section which extended first in a N.W. direction, and afterwards turned almost due south, terminating at the foot of the great embankment not many yards westward of the western margin of the entrance. In pursuing this investigation another human skeleton, the fifth found in these excavations, was discovered—in this instance in a shallow grave hewn in the chalk,—and associated with these

* Subscribers may see the full series of photographs (1908-1910, and 1912) on applying at the Dorset County Museum.

bones of a powerfully-built and tall man was a small and complete earthenware vessel, assigned to the Romano-British period.

Within the Rings, a very large cutting (No. XXI.), measuring some 60ft. by 26ft., was made on the N.W. side of the arena in continuation of Cutting XX. of 1910, where a large area deeply recessed into the solid chalk wall (described in the Third Interim Report) was discovered. In this excavation we had to deal with a period covering some 4,000 years, or at least from Neolithic times down to the Civil Wars of Charles I. The northern termination of this western recess and platform was found ; and it was observed that the solid chalk wall further north sloped considerably, and was moreover covered to a large extent with rammed chalk. This afforded indication of the existence of another series of prehistoric shafts below the rammed chalk of the Roman work. Undoubtedly the Romans had great difficulties to contend with when forming their amphitheatre, or adapting the site to their requirements. In this particular cutting, only a small part of the western curve of the arena floor was found to be of solid chalk, all the other Roman work over the position of several prehistoric shafts being of rammed chalk ; so that the greatest care had to be exercised in following the details of construction.

It is worthy of note that the inner curve of the earthwork follows the line of these shafts, the relative position of which is given in the Plan (Plate I.) ; and it may prove to be an important factor in determining the age of the great embankment. The existence of at least eleven of these shafts is now known, and a large proportion of our time this season has been occupied in endeavouring to ascertain their true significance. Their contents have been of no little interest, but their real purpose is not positively proved, although it is probable that in sinking them an attempt was made to obtain good flint suitable for the manufacture of small or delicate implements. Their depth was fairly uniform. Measured from the present turf-level covering the arena, the depths of

the five shafts re-excavated were 24·5, 25·5, 28, 28·5, and 30 feet respectively.

One of the chief reasons for making this large cutting (No. XXI.) was to complete the excavation of the N.W. quarter of the margin of the arena from the transverse axis to the northern entrance, and to trace the arena wall continuously, the inner and outer trenches, and the post-holes in which the vertical supports for the barriers formerly stood. This has been satisfactorily accomplished.

The most important things which remain to be done are :—The excavation of the eastern recess and platform (on the line of the transverse axis), if such exist ; the tracing of the arena wall and its accompanying features from the middle of the eastern side to Cutting II. Extension near the northern entrance ; and the examination of the great embankment down to the ancient turf line. It is proposed to cut a section through half the bank from the inner side in one position, and half from the outer side in quite a different place ; in this way there will be no permanent disfigurement to the present contour of the earthwork, and the archæological evidence derivable thereby should be as valuable by this means as by making a single cutting straight through the great bank. It is a question, too, if the front (N. side) of the so-called “den” should not be examined. Time did not permit of completing the work in this position in 1909.

II.—EXCAVATIONS OUTSIDE THE NORTHERN ENTRANCE, CUTTINGS XXII., XXVI., XXVIII., AND XXIX., SEE PLAN, PLATE I.

(See *Cuttings XVII. and XIX., Report, 1910.*)

Cutting XXII. in the first instance measured 36ft. by 6ft., and was made at right angles to the long axis of Maumbury. In digging Cutting XVII. (1910) the N. limit of the floor of the ancient entrance was not reached ; it was found

to be rising slightly towards the N., whereas the floor of the "Civil War trench" fell in the same direction (see Plate II., Report, 1910). The object in digging Cutting XXII., therefore, was to ascertain whether the solid chalk entrance extended further towards the town. In Cutting XVII. the W. chalk wall was revealed in diminished proportions, and this year it was found to disappear altogether beyond Cutting XXII. Moreover, the rise in the chalk roadway ceased, and proof was afforded that the N. termination of the Roman entrance was 3·8ft. higher than the solid arena at its N. margin. Close to the floor a piece of ornamented Samian pottery (No. 248) was uncovered, and a coin of Constantine I. (*Vrbs Roma*) was found in filling-in.

It was found also that the Civil War trench on the east side of this cutting was still falling northwards, the difference in the level of the bottom of the trench and the Roman floor being about 2·3ft. This trench was 7·7ft. wide at the Roman level, and 5·7ft. at the bottom. In the lower half of the filling were found XVII. Century shards, an iron key-shaped object (Fig. 2), and a French counter with AVE as the only legend, repeated (*circa* 1550).

In Cutting XXIV. (7ft. by 3ft.), further N.N.E., the W. edge of the C.W. trench was again struck; also in Cutting XXV. (10ft. by 4ft.) close to the wall of the Constabulary Station, where it was 4·5ft. deep below the present surface. In it were found a small bronze buckle and some XVII. Century shards. Another reason for digging here was because archæological remains were discovered when the wall was being built in 1893, and the trench was also disclosed then.* The C.W. trench was again met with in a garden

* Dorset Album, Vol. I., part 2, p. 27b.—"April, 1893; five graves shown as having clean straight cut sides, 3ft. or 4ft. deep, running in a line 70ft. to 180ft. measured from Weymouth Road fence. In the graves two Roman coins, a small Roman cup and a two-handled cup (R68 and R139), a rapier, iron bands, coffin nails, &c." These antiquities are in the Dorset County Museum.

behind the Police Station late in 1910, and its position was noted by Mr. C. S. Prideaux.

In digging Cutting XXII. an entirely new structural feature was found, viz., a large ditch (called the New Ditch) of V-shaped section extending obliquely across the W. half of the cutting. Its E. termination, abrupt and clean cut, was found to be about 6ft. short of the W. margin of the C.W. trench. Here its average dimensions at the Roman floor level were,—width at top 7ft., depth 3·7ft. In the filling of the ditch a number of shards of pottery, some glazed, were found, all, except two small Romano-British fragments, dating between Norman times and the XVII. Century.

Cutting XXIII., 11ft. by 4ft., was dug with the intention of tracing the course of the new ditch, which was found to be clearly defined, and its N. margin was also traced between this cutting and Cutting XXII. In the filling at a depth of 2·3ft. was found the false spout of some sort of glazed puzzle-jug (No. 336), with slits and perforations, date *circa* 1650. With the same object in view the E. end of Cutting XXVII. was dug, but the ditch was not found to extend so far westwards.

Cutting XXVI., 16·8ft. long, 4·7ft. max. width, was also dug to follow the New Ditch, and it soon became evident that it made an abrupt turn southwards at the N. end of the cutting (see Plan). The full width of the ditch was not exposed here, but the bottom was laid bare (average width 1·6ft.). On the outer side, on the top of the solid chalk profile of the ditch, a semicircular recess was cleared out, measuring 2½ft. in length. Glazed shards were again found here, and close to the bottom a modern tea-spoon (No. 261) of German silver, plated, *circa* 1870. The *shape* of the spoon came into use at the end of the XVIII. Century, but this *thin* form is of much more recent date.

In seeking the termination of the ditch, Cutting XXVIII., a small excavation, 6ft. by 5·5ft., was made further south. Here a quantity of ox bones was found within 3ft. of the

surface; and at 6ft. an iron spike-nail (No. 277), length $7\frac{1}{2}$ ins., having a rather modern appearance.

The last excavation made in this connection was Cutting XXIX., irregular in outline, its N.N.E. margin being only a few feet from Cutting XXVIII. Here we found the termination of the New Ditch a foot or two under the exterior slope of the great embankment (see Plan). The bottom, having an increased average width of 2ft., was reached 6ft. below the surface. At the end of the ditch and at the W.S.W. corner of the cutting, a trench (width 3ft. at bottom) was found to join the larger ditch at a higher level, and it appeared to extend in a W. direction. Here our investigations had to cease.

Scattered on the bottom of Cutting XXIX. was found the greater part of a thin glazed earthenware vessel (No. 295), ornamented with horizontal ribbings and a wave pattern. It is a kind of *albarello*, height $5\frac{1}{8}$ ins., of a form often seen in Lambeth delft. It is referable to the middle of the XVII. Century. The iron harness-ring (No. 304) found on the bottom of the side trench has a modern appearance.

General Description of the New Ditch.—This ditch, measured along the middle, was about 95ft. in length. Beginning in Cutting XXII. just outside the N. entrance, it extended in a N.N.W. direction, and after turning to the W.N.W. for a short distance it made, on approaching Cutting XXVI., an abrupt turn towards the S., terminating against the great embankment. It was about 9·5ft. wide at the turf level. It was quite evident that it had not been allowed to silt up, but was intentionally filled, and apparently the material was thrown in from the inner side.

Whatever its purpose, it could never have been used for drainage, as the relative levels of the bottom show. Between the E. end of Cutting XXII. (see Plan) and its W. end there is a fall of 0·58ft., and from the latter point to Cutting XXIII. a fall of only 0·08ft. Then, between Cutting XXIII. and the N. end of Cutting XXVI. there is a rise of 0·34ft., and in the length of the latter cutting a rise of 1ft.; in Cutting XXIX. the bottom was at a still higher level. Thus it is seen

that the bottom of the New Ditch at its angle was about 6ins. deeper than the E. termination and about 21ins. deeper than the other end against the embankment.

The relics discovered were for the most part XVII. Century. Of course it is quite possible that the modern tea-spoon had worked down to the depth of 5·7ft. by means of burrowing animals ; on the other hand if it were thrown in with the filling it would indicate that the ditch was still open *circa* 1870 ! The fact that one or two Romano-British shards were found deep is of no importance, as they are frequently found mixed with the soil in the vicinity of a Roman station.

The ditch can in all probability be dated by the *albarello* found on the bottom, viz., about the middle of the XVII. Century ; and the great majority of the shards, &c., point to that period. The ditch very likely was hurriedly dug and its use of short duration, and it is quite probable that it was refilled very soon after its original excavation. The solid chalk sides had not the appearance of long exposure to subaerial forces.

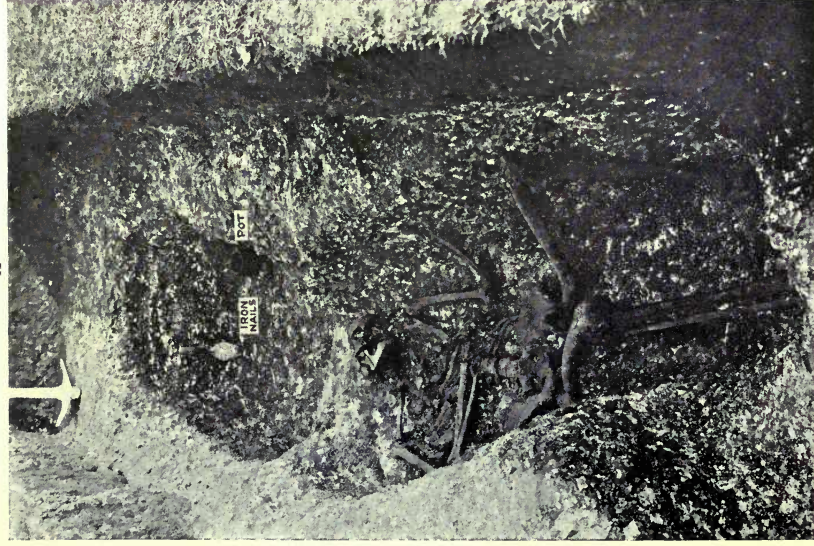
This ditch may have served as a protection against a sudden attack of Royalists from the direction of the Weymouth Road, when the Parliamentary troops held Maumbury during the Civil Wars. The excavated material may perhaps have been deposited on the inner side to form a stockade and a bank for musketeers to lie down upon when defending the entrance from the enemy's attack.*

III.—HUMAN INTERMENT IN CUTTING XXVII.

This was the most westerly cutting made outside the N. entrance (see Plan). It was begun with the intention of

* Major Phillips, R.E., in "Field Fortification," says, "It is generally desirable to close or protect a 'gorge' of open works with some obstacle, as a guard against surprise. It may be of any nature, provided it keeps an enemy out of the work."

A.



GRAVE, WITH SKELETON AND POT.

(Full Titles given at the beginning of the Report.)

B.



PAIR OF RED-DEER ANTLEERS.

From Photographs by Mr. H. St. George Gray.

tracing the New Ditch, and in making this attempt Major Willcock turned up a human lower jaw. The cutting was extended to 14ft. by 4ft. to afford room for further investigation.

Eventually the complete skeleton of a powerfully-built man, fully adult, was uncovered in a grave of irregular form hewn in the solid chalk, the natural surface of which was 1·5ft. below the turf (see Plate II.). The grave proper was found to be 5·2ft. in length at the bottom; to the east was an oblong cavity measuring 3·4ft. by 2·8ft. at the top, being a little smaller at the bottom, which was reached at a depth of 3·15ft. beneath the surface. The two parts of the grave were divided by a ridge of chalk of slight relief and about 1ft. wide, the skull coming very near the west margin of the ridge; the top of the cranium was only 2·4ft. below the surface. The grave proper was 2·15ft. wide at the top, and 1·9ft. at the bottom. Thus it is seen that the body was pushed into a narrow grave, head to E., feet to W. The right foot pressed against the solid end; both legs were drawn up at the knees. The head rested on its left side on the bottom of the grave, facing S.S.W. The body touched the sides of the grave at four points, viz., the left knee, right hip, right elbow, and left hand. The length of the skeleton measured in its cramped position, from the skull to the toes, was 5·5ft. Mixed with the soil and rubble, filling the grave, were a few flint flakes.

An interesting discovery was made at the bottom of the oblong cavity to the east of the skull and at a distance of 3·2ft. from it, viz., a complete globular vessel, No. 264 (Fig. 1), of dark brown pottery of a form and quality typical of the Romano-British period, and of similar character to the pot (No. 205) found in some fifty fragments (but now restored) close to the right hand of the contracted human skeleton met with in Cutting XVIII. in the N. entrance (see Report, 1910). The vase (No. 264) was found standing on its base, as seen in Plate II.; height 4ins., max. diam. nearly 4ins. It is not lathe-turned; the external surface is burnished at

top and bottom, but the band encircling the pot is rougher and is ornamented by burnished oblique lines. Within a foot of the vessel and on its N. side several flat-headed iron nails (No. 265), originally about $2\frac{1}{2}$ ins. long, were found within a small area (Plate II.). Wood, resembling oak, still adheres to them.

The skull may be described as medium-headed, approaching round, being rounder than that of the R.B. skeleton found in Cutting XVIII. The horizontal circumference of

the skulls is the same. The occipital protuberance is abnormally developed; the internal ridge at this point is also very prominent—the thickness of the skull here being 20·5mm.

The skull (Cutting XXVII.) has a remarkably powerful lower jaw with square chin and wide angle, the bigonial breadth being 113mm. (the average of eight lower jaws of the Romano-British period found by Pitt-Rivers in Wor Barrow being 97mm.). The ridges for the attachment of muscles are enormously developed, and the maximum thickness of the jaw is 18·5mm.

The bones are very massive and thick, and the muscular attachments well developed. The thighs are deeply arched and have very pronounced longitudinal ridges. The estimated stature, calculated from femora *plus* tibiæ, is 6ft. 0 $\frac{3}{4}$ in.

264

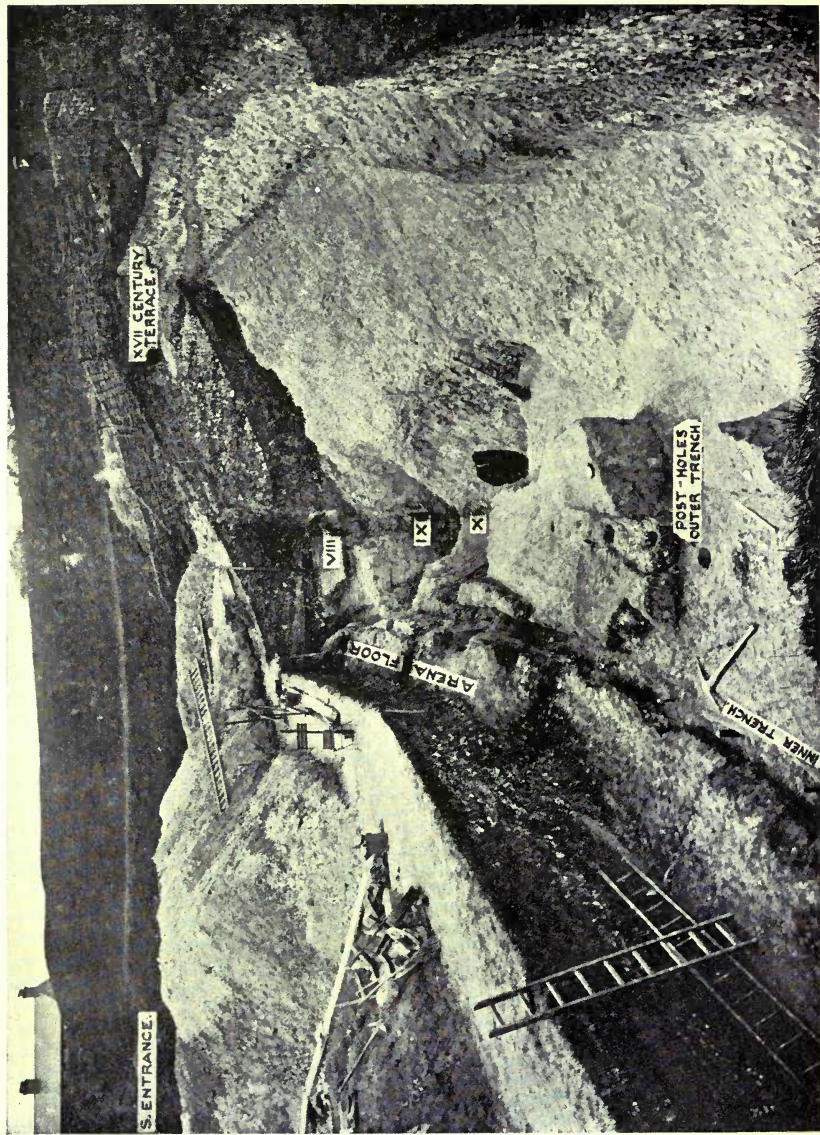
 $\frac{1}{2}$

FIG. 1.—Earthenware Pot of the Romano-British period, found in association with the human skeleton in Cutting XXVII.,

MAUMBURY RINGS, 1912.

(From a Drawing by Mr. E. Sprankling.)





MAUMBURY RINGS, DORCHESTER, 1912.
(Full Title given at the beginning of the Report.)

MARGIN OF ARENA, SHAFTS, ETC., CUTTING XXI.
From a Photograph by Mr. H. St. George Gray.

IV.—CUTTING XXI.

ROMAN AND LATER (PLATE III.).

Cutting XXI. was the largest excavation made during the four seasons' work, its margins, though irregular, measuring some 60ft. by 26ft. During the work three main objects were kept in view, viz. (a) the examination of the remaining portion of the platform and enclosure recessed into the solid chalk wall; (b) the completion of the examination of the structural details in the N.W. quarter of the arena, so that the former excavations in Cuttings X. and XX. might be connected; and (c) observations having reference to the position of prehistoric shafts, if any existed, between those in Cutting XX. (1910) and Shafts I. (1908) and IV. (1910) further round the curve to the N.E. Here we have to deal with (a) and (b).

The N.E. termination of the enclosure was reached much nearer to Cutting XX. than was anticipated. All through the new cutting the material thrown up during the Civil Wars to form a terrace was removed, and the face left standing on the N.W. showed—as clearly as any diagram could—the old turf line which formerly represented the contour of the lower part of the great embankment between Roman times and the XVII. Century (Plate III.). Below this, again, was more rubble, apparently attributable to the Roman period, which covered another old turf line, less well defined, just above what appeared to be the natural level of the chalk. But on coming a little further eastward from the N.W. margin of the cutting, it was found that the solid chalk had been worked down to a considerable slope, and it was evident that this was prehistoric work, suggesting the existence of the mouths of the shafts at no great distance below (Plates III. and V.).

For the present, however, we must return to later times. In the material forming the Civil War terrace XVII. Century shards were found and three leaden bullets; also a Nuremberg

counter, *circa* 1550 (No. 266), the obverse inscribed "Hans Schultze," the reverse inscription blundered. On the old turf line below the terrace material the following were found :— A small metal pin (No. 259), an iron knife (No. 257), and a well-worn bronze bell, or crotal (No. 256), of a form known to date from Elizabethan times. Of greater interest was the Harrington farthing (No. 258) of Charles I. (the earlier issue) found in the same position, namely, the level at which the threepence of Elizabeth, 1564 (No. 192), was discovered in 1910.

Mixed with the rubble towards the base of the terrace was found a ring-bead (No. 273) of lemon-coloured glass partly encompassed by the remains of a bronze link for suspension (Fig. 2). As it is of Late-Celtic character it was evidently not in its original position. The type is not uncommon in the Lake-villages of Somerset. Two large and six small ring-beads of light amber-coloured glass (one is of lemon shade) were found at Belbury Camp.*

The next stage in the operations was to clear the N.N.E. end of the recess and platform, which, judging from the relics found in 1910, were cut out of the solid chalk during the Roman period ; and it will be interesting to know if a similar enclosure exists below the terrace on the opposite, or E.S.E., side of the arena. It was to be regretted that the whole of this area on the W. could not be excavated at one and the same time (Plate IV., 1910 Report). But the drawings clearly show that the enclosure, as far as the cut chalk is concerned, was not rectangular but an irregular oblong ; neither was it centrally placed when considered in connection with the central transverse axis of Maumbury. The enclosure was bounded by chalk walls, except on the side open to the arena, and at both ends there were trenches dug to receive large vertical wooden posts. Measured at the foot of the

* Exhibited in the Dorset County Museum ; *Archaeologia*, XLVIII., Pl. vi., 10.

walling the platform was 16ft. long, including the trenches (2ft. each). It is less easy to give its original width, the solid margin on the E. being interfered with owing to the position of Shafts VII. and VIII., but the maximum width of the solid part remaining is 11ft.

At, and just beyond, the N.E. corner of the platform, but at a higher level, a group of eight stones was uncovered (depth 1·6ft. below the turf line under the terrace material). They were contained in an area 4ft. by 2·8ft. The most easterly slab bore signs of fire, and the charred wood collected proved to be hazel. Another scattered group of five stones was revealed at the N.E. end of the cutting on the Roman level.

Along the E.S.E. margin of the cutting the solid arena-floor was reached at a depth of 3·55ft. and at a level about 1ft. lower than the platform of the recess (Plates III. and V.). This floor was bounded by the inner trench, was somewhat complicated in design, and had the ledge, or step, on the inner side more or less slightly recessed at irregular intervals averaging 6ft., similar to features met with in Cutting XX.

Near the margin of the inner trench a basin-shaped hole was discovered in the arena-floor, 14½in. by 12½in., and 6½ins. deep; round the sides there were about twenty well-defined pick-marks. (A small white patch marks the spot in Plate III.) Near the hole a narrow seam of flint projected (sometimes 2in.) above the level of the floor.

On the floor and close to the hole an uninscribed British coin of bronze (No. 269) was found—of a degraded type and of a kind common in Dorset (Fig. 2). Some years ago these coins were supposed to belong to about the end of the first century B.C.; in 1897 they were found at Rushmore (S. Wilts) in association with coins of Claudius I., A.D. 41—54; * but from recent discoveries at Hengistbury Head in Hants it is now known that they were current till about A.D. 130.

* Pitt-Rivers' "Excavations," IV., Plate 317.

Near the British coin, on the floor, a much distorted bronze armlet (No. 270) of the "slip-knot" variety was found (Fig. 2). The method of manufacture rendered it possible

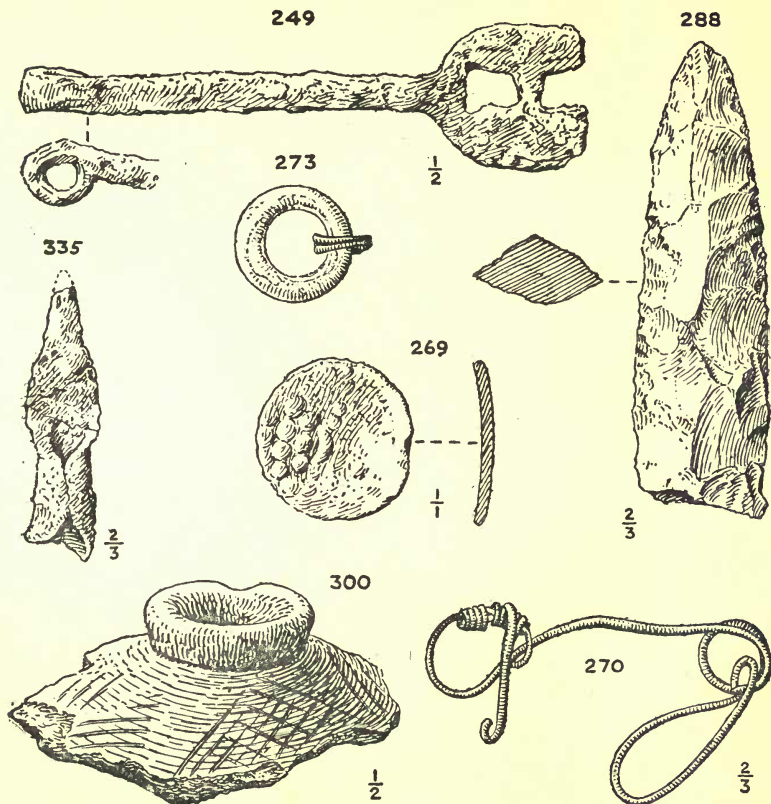


FIG. 2.—RELICS FOUND AT MAUMBURY RINGS, 1912.

249. Iron Key-shaped Object, Cutting XXII. 269. Uninscribed British Coin. 270. Bronze Armlet, distorted, of the "slip-knot" variety. 273. Lemon-coloured Glass Bead (scale $\frac{2}{3}$). 288. Flint Implement. 300. Ornamented Pot-cover. 335. Iron Arrowhead.

All, with the exception of No. 249, were found in Cutting XXI.

(From Drawings by Mr. E. Sprankling.)

to pass the armlet over a hand, however large, the spring of the ornament exerting a pressure on the arm which would keep it in place. These armlets have not infrequently been found in England, including, in the S.W., Woodcuts (N. Dorset) and Puckington (Somerset). A bronze leglet of the same type was found in 1896 in Albert Road, Dorchester, encircling the thigh-bone of a human skeleton.*

On the same part of the arena floor, or near it, the following remains of the Roman period were found :—263, piece of a Kimmeridge shale armlet and an iron nail ; 267, small disc of stone, probably a counter ; 271, rim piece of pottery with burnished lattice pattern ; and 272, piece of green glass handle.

Owing to the earlier mutilation of the solid chalk, the whole of the trench in this cutting, in which wooden posts had been placed to support the outer barrier, and the greater part of the inner trench which followed the true margin of the arena, had been formed in rammed and puddled chalk, and in some places they were filled with a dark, rich mould. Post-holes were clearly defined in these trenches, those in the outer trench averaging 3ft., and those in the inner trench 4ft., apart (Plate III.). Most of these post-holes were circular.

Dealing with so much rammed chalk it was by no means easy to trace the true surface of the Roman work, but when the clue was once obtained the features were carefully exposed. Repairs had evidently been frequent. In places the surface of the rammed chalk was covered with shells (described elsewhere).

It now remains to give a brief description of the rest of the numbered relics found in Cutting XXI. having reference to the Roman work.

* It is exhibited in the Dorset County Museum, as also are two twisted armlets of gold of similar design from the Fayyûm, Egypt. The Dorchester and Puckington specimens are figured in the writer's paper on the subject in *Proc. Som. Arch. Soc.*, LVII., ii., 94.

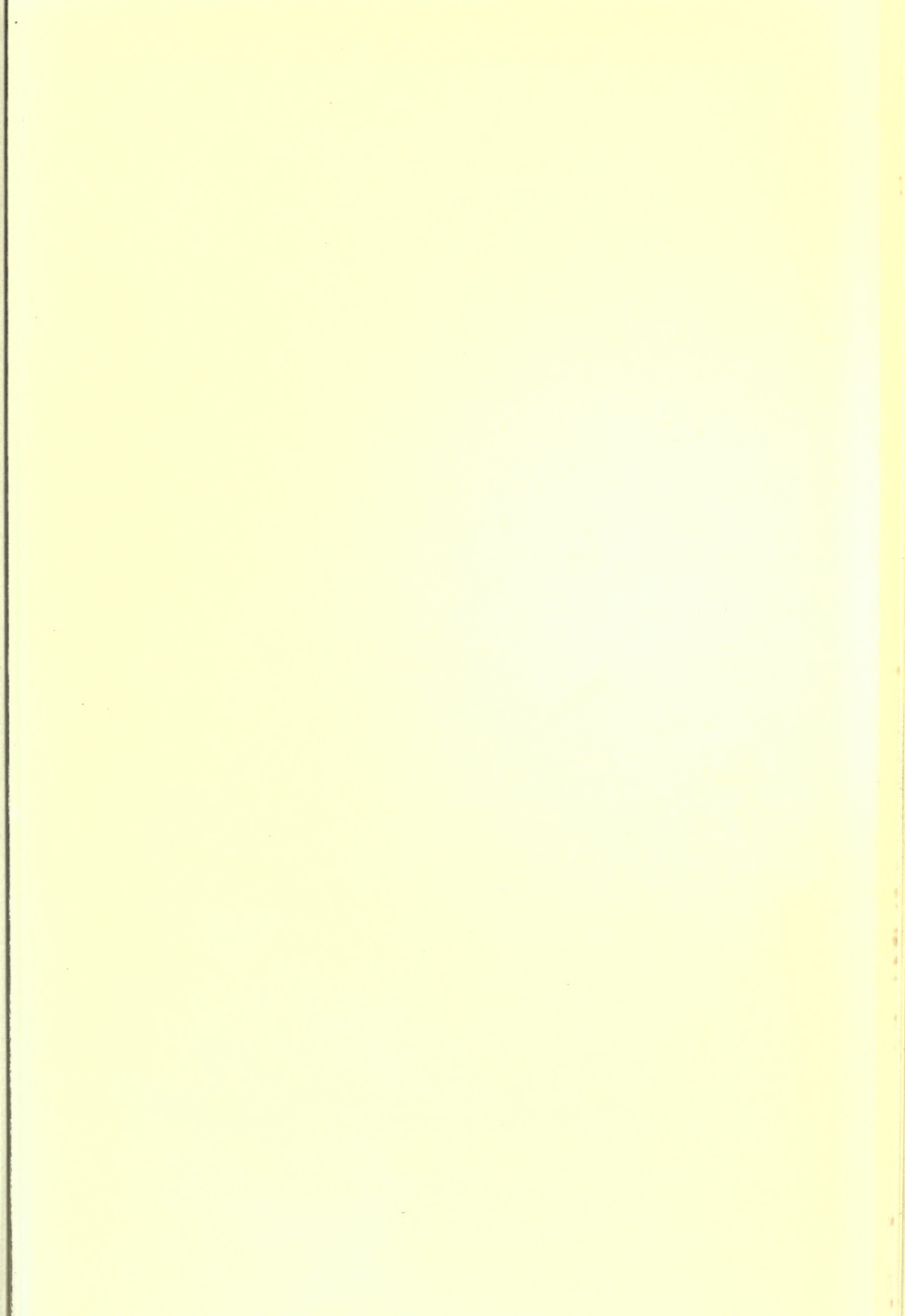
255. Iron nail, embedded in highest part of wall.
260. "Third brass" coin of Constantine I., *circa* A.D. 335; a poor specimen of the *Gloria Exercitus* type; depth 2ft. below the larger group of stones.
268. Small globular glass bead, painted red; in rammed chalk.
274. Fragment of shale armlet, on level of inner trench; another piece, No. 334, found in filling-in.
288. Chipped flint implement, weathered white, of Neolithic type, length $3\frac{1}{2}$ in. (Fig. 2); in rammed chalk, depth 3ft.
294. Fragment of red Samian ware, ornamented; depth 2.5ft.
296. Oval hammer-stone of bi-convex section, 3in. in diam., smooth on both faces and bearing evidence of hammering round the edges; in rammed chalk, depth 5.5ft.
297. Part of a Romano-British bowl of black burnished ware, with bead rim; in inner trench, depth 6ft.
298. Fragments of red Samian and other ware; in the rammed chalk of arena-floor, depth 4.7ft.
299. Fragments of R.B. pottery, red on faces, black internally; depth 4.85ft. on arena-floor.
300. Greater part of a pot-cover, of blackish-brown ware, with funnel-shaped perforated knob (Fig. 2); the burnished surface faintly ornamented with triangles filled with crossed lines, and comparable with designs found in the Lake-villages in Somerset. Depth 4.8ft. on rammed chalk arena level.
301. Large iron ring, corroded and distorted; over the inner trench, depth 4.8ft.
302. Bent bronze pin, perhaps of a brooch; on rammed floor.
303. Part of an iron spear-head with sides hammered up to form a socket; found as No. 302.
335. Small iron arrowhead (Fig. 2), with rivet-hole on one side of the hammered up socket, length 51mm.; found in filling-in.

V.—CUTTING XXI.

THE PREHISTORIC SHAFTS (PLATES III., IV., AND V.).

(See *Cutting X.*, Report, 1908; *Cutting XV.*, 1909; *Cuttings XII. Extension and XX.*, 1910.)

We must now turn to the somewhat puzzling shafts of which eleven have been uncovered at the mouth, five having been completely re-excavated (Plan, Plate I.). The first was





MAUMBURY RINGS, DORCHESTER, 1912. CUTTING XXI.
PREHISTORIC SHAFTS, Nos. VIII, IX, X and XI.

(Full Title given at the beginning of the Report.)

From a Photograph by Mr. H. St. George Gray.

cleared out at the foot of the earthwork in Cutting X. (1908), depth 30ft. (the depth of all being given below the nearest turf over the arena). In front of "the den" in Cutting XV. (1909) at least two shafts (Nos. II. and III.) are known, one of which was re-excavated to a depth of 19ft. Cutting XII. Extension revealed part of the outline of a very large pit, No. IV. (Plate III., 1910 Report); and a series of three shafts (Nos. V., VI., and VII.) were met with in Cutting XX. between the "inner trench" and the solid chalk core of the arena-wall (Plate IV., 1910 Report). Of these, No. VI. was completely re-excavated (depth 24·5ft.), and within 2ft. of the bottom fragments of a rude pottery vessel were found. The outline of Shaft VIII. was partly revealed in 1910, and partly in 1912 when Cutting XXI. was extended for the purpose. At the top of the filling, part of an antler pick (No. 320) was found.

The excavation of Cutting XXI. added three shafts more (Nos. IX., X., and XI.) to the list, and the bottom of all of them was reached, their depth being 28·5ft., 25·5ft., and 28ft. respectively. The average depth of the five shafts re-excavated was 27·3ft.

Their outlines were irregular (Plate I.). Nos. VI., VII., and VIII. were separated from each other at the top by very narrow partitions, and Nos. IX., X., and XI. were similar in this respect. A few feet separated Shafts V. and VI., and Shafts VIII. and IX.; a V-shaped gutter cut in the solid chalk connected the two latter.

Shaft IX. (Plates III. and IV.).—Below the mouth where the sides became steep the shaft was 7ft. in diam., and at a ledge further down the dimensions were 4·25ft. by 4·5ft. At 1ft. from the bottom it was only 1·7ft. across, and ultimately it lessened to 1ft.* At the top of the shaft against the N.W. side two deep, vertical, and well-worn grooves were

* The floor of one of the shafts at Cissbury was 4·5ft. in diameter, and this was unusually small (*Archaeologia*, LXIII., 123).

noticed, which may have been caused by the rubbing of ropes used for the ascent and descent of men and material when the shaft was sunk.

Red-deer antler was plentiful, including twelve picks, more or less broken, found in the filling, down to a depth of 27ft. Two crowns of antlers were also met with ; one had perhaps served the purpose of a rake ; the other had been much used, judging from the extreme smoothness of the implement. Three of the picks bore traces of fire. With few exceptions the picks found here and in the adjoining shafts were formed from shed antlers.

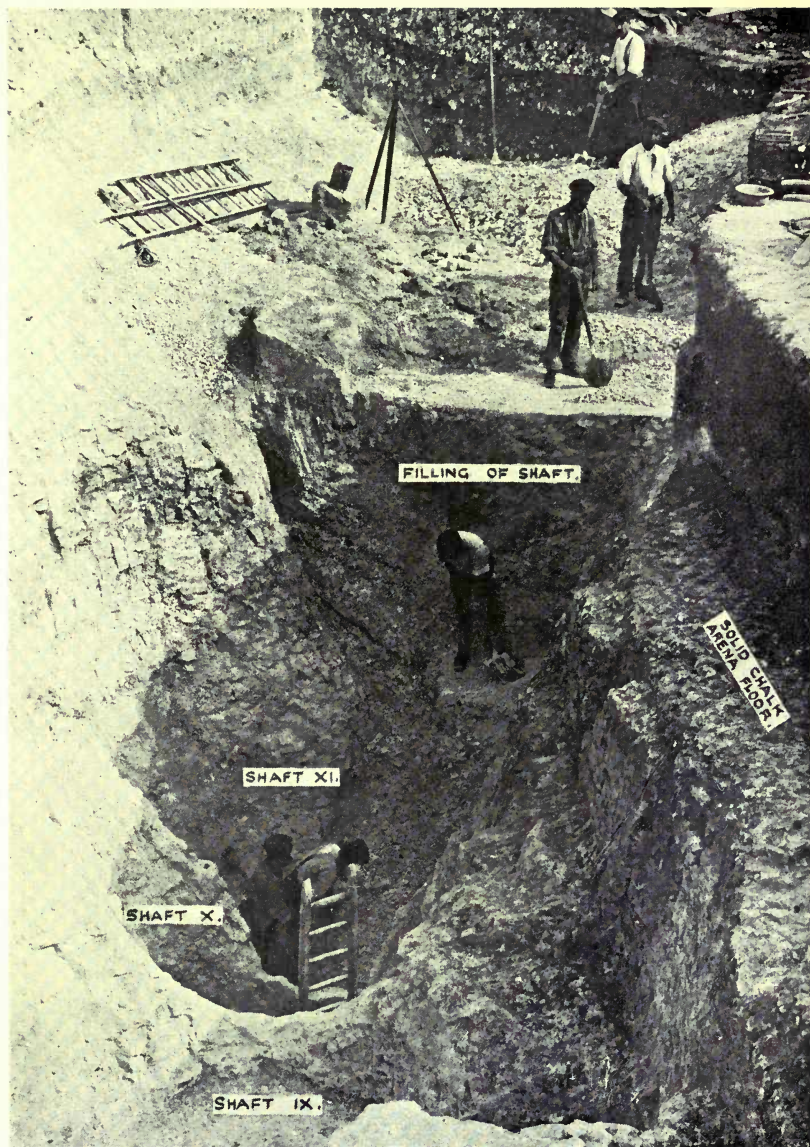
A few large flint flakes, up to 4½in. in length, were found between 23ft. and 26ft., and a flint with deep marks of calcination, depth 26·5ft. One small fragment of prehistoric pottery (No. 291), unornamented, was discovered at 26ft.

Shaft X. (Plate IV.).—This shaft may, perhaps, have been started by prehistoric man as two distinct pits. Its double bottom was in the form of an elongated 8, the two halves, small and of oval outline, being divided by a ridge of chalk 9ins. high. The top of the division between this shaft and No. XI. was only 8ft. above the bottom of the former.

The upper part of the filling of this shaft and No. XI. was crossed by a concave seam of mould about an inch thick, the depth of which varied from 8·4ft. to 11·2ft. It was important to note this, because fragmentary human remains (Nos. 305 and 306) were found in rammed chalk on the level of this seam or just above it ; and there seems to be no evidence for regarding the bones as prehistoric.

The "finds" in this shaft were few, but of great interest. Two antler picks were met with at 15ft. and 22ft. At a depth of 14·5ft. the base of a red-deer's skull with antlers attached (No. 307) was found tight against the wall of the shaft ; after being cleared it was photographed *in situ* (Plate II.). The antler complete measures 38in. in length, and is surmounted by a crown of four points ; the brow-tine is 14in. long, and the bez and trez each 13in. ; the circumference of the antler above the burr is 220mm. (8½in.).





MAUMBURY RINGS, DORCHESTER, 1912. CUTTING XXI.
SHAFTS IX, X AND XI, AND MARGIN OF ARENA FLOOR.

(Full Title given at the beginning of the Report.)

From a Photograph by Mr. H. St. George Gray.

A somewhat remarkable carving in chalk was found in the filling, 15ft. deep, and perhaps affords further evidence of phallicism in early prehistoric times. This object differs from the chalk carving of the male organ found by Canon Greenwell, F.R.S., in the Grime's Graves (Brit. Mus.)* in being much larger, with a diameter of $2\frac{1}{2}$ in.

Several flint flakes were noticed here and in Shaft XI., especially in the upper three-quarters of the filling. The nodules of flint were fairly numerous, and all appear to have been tested as to their quality. Some of the blocks of chalk in the filling were very large.

Shaft XI. (Plate V.).—This large pit was cleared out only at the W.S.W. end. The bottom was trench-like and only 1·2ft. wide; the termination to a height of 5·5ft. had a nearly upright even face. Thin seams of mould were noticed in the filling (Plate V.).

No less than thirteen antler picks, some damaged, were found between 8·25ft. and 28ft., and five of them bear marks of fire, the handle-end of one being much burnt. Two crowns of antlers were also found, and an excellent antler rake of three points. Portions of three red-deer skulls were also met with, and a worked piece of rib-bone (ox or horse) was obtained.

At a depth of 10ft. a rough chalk ball ($3\frac{1}{2}$ in. diam.), and another piece, cheese-shaped ($3\frac{1}{4}$ in. diam.), were found. At the same level a fragment of rude pottery (No. 314) was discovered—undoubtedly prehistoric.

General Remarks on the Shafts (see also *Introductory Remarks*):—The flint occurring in such thin seams and being of such poor quality sustains the only tenable theory that these shafts were sunk in search of better material; for no

* Described by Canon Greenwell in a paper that he read to the Ethnological Society, 27 June, 1870 (*Journal*, II., 430). See also *Archaeologia*, LXIII., 118.

flint nodules were found thrown away in the filling which would have been of any value to the flint-knapper. Indeed, all the nodules remaining—and they are by no means plentiful—appear to have been “tried,” *i.e.*, struck by the hand of man, and being found unsuitable for implement-making were discarded. There can be little doubt that these shafts were filled in to the top, or almost to the top, at one time, judging from the fact that the chalk rubble—which for the most part is large—is found on re-excavation to be very loosely compacted.

If the shafts at Maumbury are flint-*mines*, why are there no galleries of the kind so common at Cissbury and at Grime's Graves? * At Maumbury the pits are in close order, and indeed in many cases hardly a foot separates them at the top. It is difficult to conceive prehistoric man's reason for digging so many shafts if intended for mines, as one or two would have sufficed to test the quality and quantity of the flint; the material of course abounds in Dorset, though the best qualities are in some places not easily obtainable. If, in any of these shafts, flint of the desired quality had been found, he might then have cut galleries, and the trial-shafts would have become *mines*.

VI.—ANIMAL BONES.

All the bones and fragments found in the Prehistoric Shafts at Maumbury have been preserved; also a selection from the Roman deposits. The greater number of those found in 1912 have been kindly identified by Mr. E. T.

* A paper by Mr. Reginald A. Smith, F.S.A., has recently been published on “The Date of Grime's Graves and Cissbury Flint-Mines,” where a *résumé* of the records of the various excavations which have been conducted at these places is given (*Archaeologia*, LXIII., 109-158).

Newton, F.R.S. The following are the most interesting, all found in Cutting XXI. :—*

FROM THE ROMAN DEPOSITS—

Horse (a metatarsus giving height of 12 hands 3in. at shoulder—size of New Forest pony).

Ox (a radius giving height of 3ft. 5½in.—size of modern Kerry Cow).

Sheep, or Goat.

Fox (*Canis vulpes*).

Badger (*Meles taxus*).

Polecat (*Mustela putorius*)—large size; skull and nearly complete skeleton.

Water Vole (*Microtus amphibius*).

Rook, or Crow.

FROM SHAFT IX. (TOTAL DEPTH OF SHAFT BELOW ARENA TURF, 28·5ft.).

At 20 feet deep.

Toad (*Bufo vulgaris*)—large size.

Bank Vole (*Evotomys glareolus*).

Field Vole (*Microtus agrestis*).

At 23–24 feet deep.

Pig (*Sus scrofa*)—may be wild Boar.

At 26 feet deep.

Part of rib of Horse or Ox, and other fragmentary remains.

FROM SHAFT XI. (TOTAL DEPTH OF SHAFT BELOW ARENA TURF, 28ft.).

Fragmentary remains of Horse and Ox in rammed chalk at the top of the shaft.

At 10 feet deep.

Red-deer (*Cervus elaphus*).

At 15 feet and 17 feet deep.

Pig (*Sus scrofa*)—may be wild Boar.

At bottom of Shaft.

Field Vole (*Microtus agrestis*)—part of two skeletons.

* This list does not include worked animal bones, red-deer skulls, antlers, or picks, bearing special numbers.

At depths not recorded.

Dog (*Canis familiaris*)—larger than fox.

Toad (*Bufo vulgaris*)—large size, as in Shaft IX.

VII.—WOODS.

The most interesting specimens of decayed and carbonized wood found at Maumbury in 1912 were sent to Mr. Clement Reid, F.R.S., for examination; he has kindly reported as follows:—

CUTTING XXI.—

In Roman Deposits.—Oak charcoal.

Specimen from post-hole.—Indeterminable.

Charred wood found in burnt area against the heap of stones at the south end of the cutting.—Hazel.

In Shaft IX., with bones.—Hazel (?).

In Shaft IX., depth 20 feet.—Oak charcoal.

From bottom of rammed chalk over Shaft XI.—Apparently fragments of root—perhaps oak.

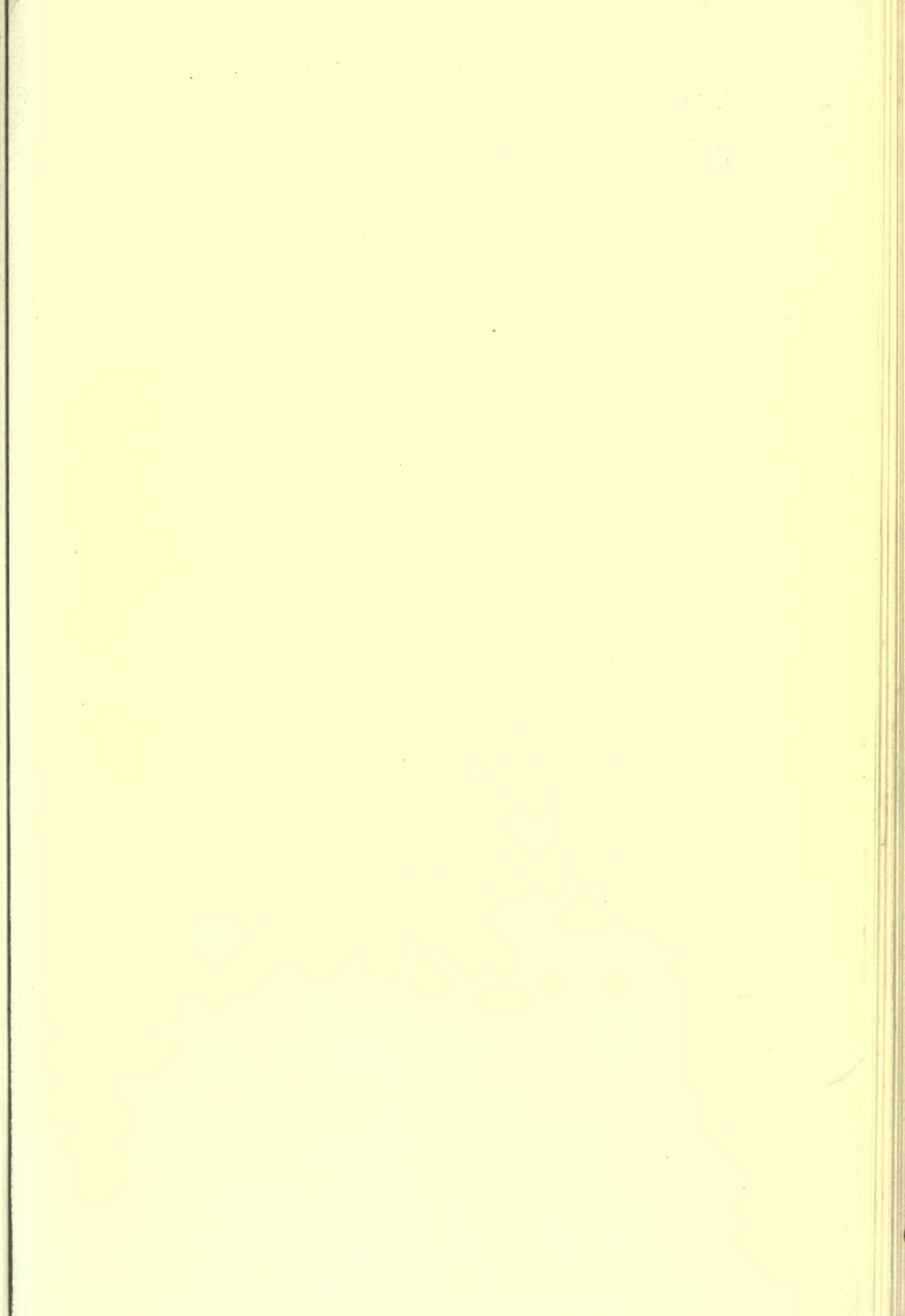
CUTTING XXVII.—

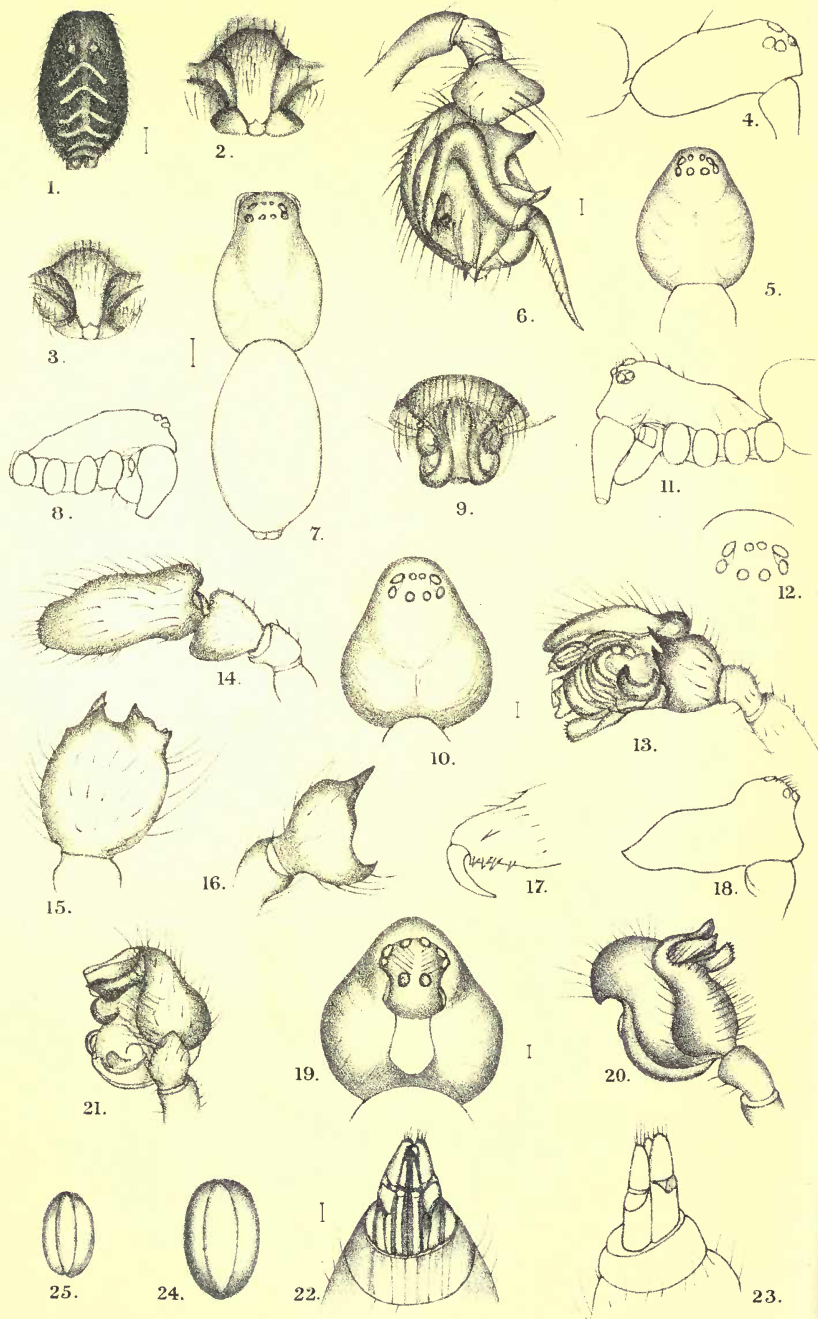
Wood on Iron Nails found near Human Skeleton.—Not determinable, but resembles oak.

VIII.—SHELLS.

Messrs. W. Denison Roebuck, F.L.S., and John W. Taylor, of Leeds, have kindly examined the shells found at Maumbury this season.

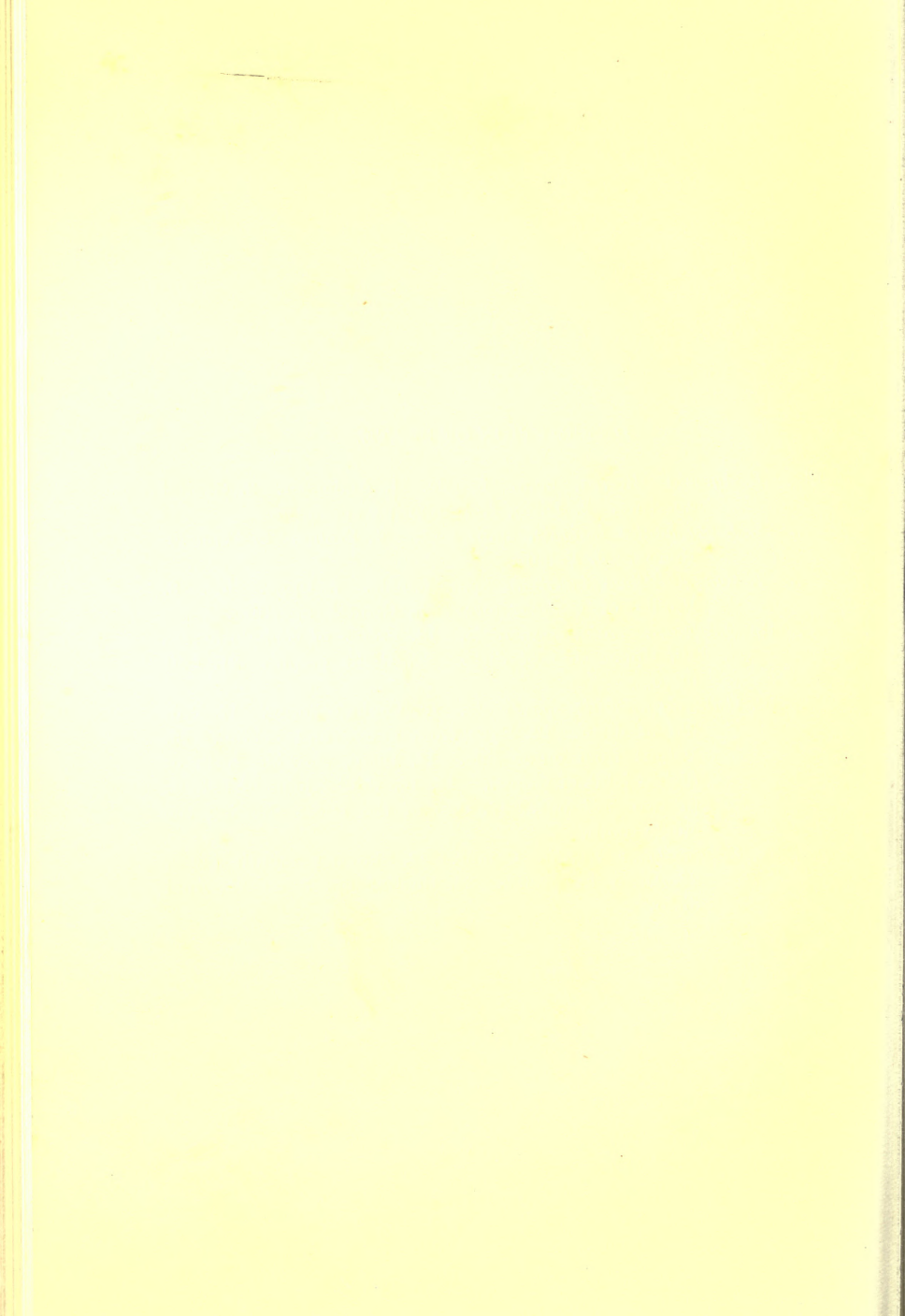
They report that the Roman deposit yielded *Helix aspersa* (typical) and several *H. nemoralis*, of which two were especially conical in form, and one of these very solid in substance. A mass of shells, chalk, and mould from the surface of the rammed chalk Roman work in Cutting XXI., having been carefully washed, yielded several *H. itala* var. *minor*, numerous *Hygromia hispida* var. *concinna*, and *Pupa muscorum*; also a couple of *Vallonia pulchella*. From Prehistoric Shaft IX., depth 20 feet, were a fine *Helicella itala* with the upper band very high, and two with contracted *umbilicus* approaching the Continental European *H. obvia*.





DESCRIPTION OF PLATE.

- Fig. 1. *Agroeca diversa*, sp.n. female. 1. Abdomen. 2. Genital aperture. 3. Ditto, from another specimen.
- „ 4. *Leptyphantes insignis*, sp.n. male. 4. Profile. 5. Cephalothorax. 6. Palpus.
- „ 7. *Gongylidiellum incertum*, sp.n. female. 7. Upper side. 8. Profile of cephalothorax. 9. Genital aperture.
- „ 18. *Entelecara errata*, sp.n. male. 18. Profile of cephalothorax. 19. Upper side of ditto. 20. Right palpus. 21. Left ditto.
- „ 10. *Collinsia notabilis*, sp.n. male. 10. Cephalothorax. 11. Profile of ditto. 12. Eyes from above and behind. 13. Palpus from outer side. 14. Ditto, showing form of digital joint of palpus. 15, 16. Radial joint of palpus, in two positions. 17. One of the falces showing the single tooth.
- „ 22. *Calypstoma Hardii*, Cambr. 22. Showing mouth parts. 23. Ditto in profile. 24. Genital aperture. 25. Anal ditto.



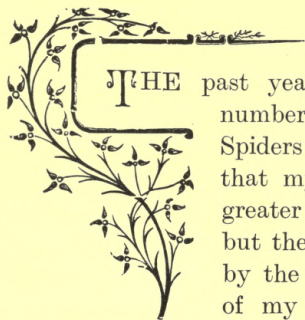


On New and Rare British Arachnida

NOTED AND OBSERVED IN 1912.

By the Rev. O. PICKARD-CAMBRIDGE, M.A., F.R.S., &c.

With Plate.



THE past year (1912) has brought me a fair number of additions to our British List of Spiders (*Araneidea*). I wish I could say that my own personal efforts had had a greater share in producing these results ; but these have been made mainly possible by the continued kind help and exertions of my correspondents, both friends and relations. To all who have so contributed during the past year I am again now indebted, as well as to some others (and amongst these I must specially add the name of a valuable Dorset correspondent—*Dr. Haines, of Winfrith*), whose collections, though containing no novelties, yet by many rare and local forms bore testimony not only to their kindness to me but to their efforts to add to our knowledge of this comparatively neglected group of animals. The names of those who have added to our List *species new to*

science, or other species *not previously known to the British Fauna*, will be specially mentioned in the course of the following List ; but I may *here* note the *names* of such species and that of their finders. The species considered to be new to science are nine.

Zora letifera (Falconer), found by Mr. W. Falconer and Dr. A. R. Jackson in Wicken Fen, Cambridgeshire ; *Agroeca diversa*, Bloxworth Heath, taken by one of my sons (A. E. Ll. P.-C.) ; *Leptyphantes insignis*, also found (by A. E. Ll. P.-C.) in one of the Bloxworth Woods ; *Leptyphantes moratus* (Hull), found by the Rev. J. E. Hull at Forres, N.B. ; *Microneta* (*Agyneta*) *ramosa*, Jackson, found by Dr. Jackson in the New Forest, and Delamere Forest, Cheshire ; *Gongylidiellum incertum*, taken by Mr. Horace Donisthorpe at Nethy Bridge, Scotland ; *Collinsia notabilis*, taken by Mr. J. Collins (University Museum, Oxford) at Tubney, Berkshire ; *Entelecara errata*, found at Penrith, Cumberland, by Dr. Jackson ; and *Neon valentulus* (Falconer), taken by Mr. Falconer and Dr. Jackson in Wicken Fen ! Besides the above, a very distinct and interesting species, new to Britain, has been sent to me from Wicken Fen, by both Mr. Falconer and Dr. Jackson—*Maso gallica* (Simon). The above species are all noted and described more fully in the following List and Supplement, p. 130.

If any of our readers should wish for further information on the General Subject, reference may be made to the following publications, by the author :—

“ *Spiders of Dorset*,” published by the Dorset Natural History and Antiquarian Field Club, 1879—1881, and Supplemental Papers in most of the subsequent years to the present date.

“ *List of British and Irish Spiders* ” (Sime and Co., Dorchester, 1900).

“ *British Phalangidea or Harvest Men* ” (Dors. F. C. Proceedings, Vol. XI., 1890).

“ *British Chernetidea or False Scorpions* ” (l.c. Vol. XIII., 1892).

Since the publication of my last report in Vol. XXXIII. of our Proceedings, or previously omitted, the following Papers on British Arachnida have appeared:—

“On Some Rare Arachnids captured during 1907,” *A. Randell Jackson*, M.B., M.Sc., Transactions Nat. Hist. of Northumberland, Durham, and Newcastle-upon-Tyne, n.s. Vol. III., part I., pp. (sep. cop.) 1-30, pl. IV.

“On Some Rare Arachnids obtained during 1908,” *A. Randell Jackson*, M.B., M.Sc., Trans. Nat. Hist. of Northumberland, Durham, and Newcastle-upon-Tyne, n.s. Vol. III., part 2, pp. (sep. cop.) 1-24, pl. X.

“On the British Spiders of the Genus *Microneta*,” *A. Randell Jackson*, M.B., Sc., Trans. Nat. Hist. Northumberland, Durham, and Newcastle-upon-Tyne, n.s. Vol. IV., pp. 117-142, pl. VII., VIII. (a valuable and important paper which I have not yet been able to examine thoroughly).

“A New Spider—*Leptyphantes moratus* (n. sp.),” *Rev. J. E. Hull*, M.A., “Scottish Naturalist,” February, 1912, pp. 40-42, with woodcut figs.

“Allendale Spiders,” *Rev. J. E. Hull*, M.A., Trans. Nat. Hist. Soc. Northumberland, Durham, and Newcastle-upon-Tyne, n.s. Vol. III., part I., pp. (sep. cop.) 1-8, pl. V.

“Yorkshire Arachnida in 1911,” *William Falconer*, Slaithwaite, near Huddersfield, “Naturalist,” Feb. 1, 1912, pp. 52-54.

“Airedale and Wharfedale Area” (Yorkshire), *W. P. Winter*, “Naturalist,” February 1, 1912, p. 54 (notes some additions to a former list, of 29 spiders and 1 Pseudo-Scorpion).

“The Spiders of Wicken, Cambridge,” *William Falconer*, “Naturalist,” October, 1912, pp. 310-324, pl. XV. (Contains a list of species, and descriptions of two new to science and one new to Great Britain.)

“*Chernes cyrneus* in Nottinghamshire, a recent addition to the known False Scorpions of Britain,” *H. Wallis Kew*. 54th Report and Transactions of the Nottingham Naturalists' Society for 1905-1906, pp. 41-46, pl. V.

"Notes on the Irish False Scorpions in the National Museum of Ireland," *H. Wallis Kew*, "Irish Naturalist," December, 1909, pp. 249-250.

"A Holiday in South-Western Ireland. Notes on some False Scorpions and other animals observed in the counties of Kerry and Cork," *H. Wallis Kew*, "Irish Naturalist," April, 1910, pp. 64-73.

"The False Scorpions of Scotland," *Robert Godfrey*, "Annals of Scottish Natural History," April and July, 1908, p. 91 and 155-161; January and July, 1909, pp. 22-26 and 153-163; January, 1910, pp. 23, 33.

It only remains for me to add my kindest thanks to all who have in any way assisted me during the past year.

ARACHNIDA.

ARANEIDEA.

Fam. THERAPHOSIDÆ.

Atypus affinis, Eichw.

Atypus affinis, Eichw.-Cambr., Dors. N. H.
and A. F. Club, Vol. XXIX., p. 166; and
XXXI., p. 49.

An adult male, found wandering on the heath at Worgret, near Wareham, was sent to me by Dr. Haines, of Winfrith, in February, 1912.

Fam. DRASSIDÆ.

Drassus pubescens, Thor.

Drassus pubescens, Thor.-Cambr., Spid. Dors.,
p. 20.

Adults of both sexes were taken on Bloxworth Heath by A. E. Ll. P.-C. in May, 1912. Mr. W. Falconer also

records it from Wicken Fen, Cambridgeshire, in June, 1912 ("Naturalist," October, 1912, p. 311).

Phæocedus braccatus, L. Koch.

Drassus braccatus, L. Koch.-Cambr., Spid. Dors., p. 570.

Drassus bulbifer, Cambr., Spid. Dors., p. 18.

An immature male and females from Bindon, and adults underneath bits of slate at Ringstead, early in July, 1912, were found and sent to me by Dr. Haines. This is still one of our rarest and most distinctly marked of the British Drassidæ.

Prosthesima pedestris, C. L. Koch.

Prosthesima pedestris, C. L. Koch.-Cambr., Spid. Dors., p. 15.

Females, found and sent to me from Ringstead by Dr. Haines early in July, 1912.

Clubiona cærulescens, L. Koch.

Clubiona cærulescens, L. Koch.-Cambr. Spid., Dors., p. 29 ; and British and Irish Spid., p. 11.

Adult males, found in Coombe Wood, Winfrith, were received from Dr. Haines in May and July, 1912. It is one of the most distinctly characterised, as well as the rarest, of the genus in Great Britain.

Zora letifera, Falconer.

Zora letifera, Falconer, "Naturalist," October, 1912, pp. 312, 317, pl. XV., figs. 1-4.

Adults of both sexes, new to science, were found at Wicken Fen, Cambridgeshire, by Mr. W. Falconer in June, 1912. It is nearly allied to *Zora maculata*, Bl., but differs in both structure and markings. (For a more detailed description, see postea, p. 130.)

Agroeca proxima, Cambr.

Agroeca proxima, Cambr., Spid. Dors., p. 36,
and Proc. Dors. F. Club, Vol. VII., pl. IV.,
fig. 4a. (In the description of pl. IV., in loco,
figures *a* and *b* should be reversed.)

This spider was abundant on Bloxworth and adjoining
heaths in late summer of 1912. An hermaphrodite
example of it was taken by A. E. Ll. P.-C. on Bloxworth
Heath on October 12th.

Agroeca inopina, Cambr.

Agroeca inopina, Cambr., Proc. Dors. F. Club,
Vol. XVI., p. 101.

Numerous in the same localities and at the same time
as *A. proxima*, Cambr.

Agroeca celans, Bl.

Agelena celans, Bl., Spid. G. B. I., p. 161.
Liocranum celans, Bl.-Cambr., Spid. Dors.,
p. 41.

This very distinct species, which had hitherto been
very rarely met with at Bloxworth, was found in some
abundance and at the same time, and in the same
localities, by A. E. Ll. P.-C. and W. A. P.-C. as the two
foregoing species. It appears to be more abundant in
the North of England.

Agroeca gracilipes, Bl.

Agelena gracilipes, Bl.-Cambr., Spid. Dors.,
p. 39. *Liocranum gracilipes*, Bl.-Cambr.,
Spid. Dors., p. 162.

Numerous on Bloxworth and other adjoining heaths,
and at the same time as three foregoing species, by
A. E. Ll. P.-C. and W. A. P.-C.

Agroeca diversa, sp.n. Figs. 1, 2, 3.

Two adult females of an *Agroeca*, closely allied to *A. gracilipes*, Blackw., were found by A. E. Ll. P.-C. on Bloxworth Heath at the end of the summer of 1912. In size, general structure, and character these are very like *A. gracilipes*, but the striking dissimilarity in colour and markings, as well as some small structural differences, lead me to believe them to be of a different species. (For a detailed description see postea, p. 130)

Fam. THERIDIIDÆ.**Theridion impressum**, L. Koch.

Theridion impressum, L. Koch-Cambr., Proc. Dors. F. Club, XXIV., pp. 152, 162, pl. A, fig. I., and Vol. XXVI., p. 45.

An adult male of this interesting species was taken on the lawn railings at Bloxworth Rectory on the 5th of July, 1912, by the Rev. R. J. Pickard-Cambridge; and I found one of the same sex among some hitherto overlooked spiders taken many years ago by myself at Bloxworth.

Theridion familiare, Cambr.

Theridion familiare, Cambr., Spid. Dors., p. 86; Proc. Dors. F. Club, XX. p. 6, and XXIII., p. 20.

A female adult was taken among herbage in Bere Wood by A. E. Ll. P.-C. on the 17th of October, 1912. This is the first instance known to me of the occurrence of this species in any other situation than in old buildings and unused rooms.

Laseola prona, Menge.

Euryopis prona, Menge-Cambr., Spid. Dors., p. 481.

Laseola jucunda, Cambr., Proc. Dors. F. Club, Vol. XXIV., pp. 152, 162, pl. A., fig. 3, 1903, Vol. XXVIII., p. 125, pl. A, figs. 13, 14, 15 (1907), and Vol. XXIX., p. 170 (1908).

An adult male was brought to me from Bloxworth Heath on May 11, 1912, by A. E. Ll. P.-C.

Crustulina sticta, Cambr.

Steatoda sticta, Cambr., Spid. Dors., p. 97, and Proc. Dors. F. Club, XVIII., p. 111.

Theridion stictum, Cambr.-Bl., Spid. G.B.I., p. 196.

Several of each sex were found in Wicken Fen by Dr. Jackson and Mr. W. Falconer early in June, 1912—"Naturalist," October, 1912, p. 313.

Linyphia peltata, Wid.

Linyphia peltata, Wid.-Cambr., Spid. Dors., p. 229.

Leptyphantes nigrescens, Cambr., Proc. Dors. F. Club, XXXIII., pp. 75, 90, pl. A, figs. 11, 13.

The examination of some additional examples of *L. nigrescens*, including adult females and immature males, has convinced me that *L. nigrescens*, Cambr. (l.c.) is a melanic form of *Linyphia peltata*, Wid. I have found in Dorsetshire, Hampshire, and some other counties the normal form of *L. peltata* in fair abundance, but until now have never seen this melanic form of it. Mr. L. A. Carr, however, seems to have met with it commonly in Staffordshire, and to have suspected its identity with *L. peltata*, Wid.

Taranucnus setosus, Cambr.

Linyphia setosa, Cambr., Spid. Dors., p. 191.

Mr. W. Falconer ("Naturalist," October, 1912, p. 313) records both sexes from Wicken Fen in June, 1912.

Leptyphantes moratus, Hull.

Leptyphantes moratus, Hull, "Scottish Naturalist," February, 1912, p. 40.

An adult female, taken at Forres, N.B., in August, 1911, and described and figured as a sp. nov. l.c. supra. I have not myself seen this specimen.

Leptyphantes insignis, sp.n. Figs. 4, 5, 6.

An adult male, of what appears to me a very distinct species of this genus, and hitherto undescribed, was found by A. E. Ll. P.-C. on the 18th of May, 1912, among herbage in a wood at Bloxworth. (For detailed description see postea p. 131.)

Leptyphantes ericæus, Bl.

Linyphia ericæa, Bl.-Cambr., Spid. Dors., p. 201.

Bl., Sp. G.B.I., p. 287.

An adult male, found near Oxford by W. A. P.-C., and new to that county, in 1912.

Leptyphantes pallidus, Cambr.

Linyphia pallida, Cambr., Spid. Dor., p. 216.

Adult females found near Oxford by W. A. P.-C. in 1912, and new to that county.

Microneta beata, Cambr.

Microneta beata, Cambr., Proc. Dors. F. Club, Vol. XXVII., pp. 77, 190, pl. A, figs. 27-31 (1900).

An adult example of each sex, taken on Bloxworth Heath, September 1, 1912, by W. A. P.-C. This is its

first record in Dorset. It is allied to the common *M. rurestris*, C. L. Koch.

Microneta (Agyneta) ramosa, Jackson.

Agyneta ramosa, Jackson, Trans. Nat. Hist. Soc., Northumberland, Durham, and Newcastle-upon-Tyne (n.s.), Vol. IV., p. 139, pl. VIII., figs. 6, 6a, 6b.

Males are recorded by Dr. Jackson from the New Forest and from the Forest of Delamere, Cheshire. I have not yet myself seen this species, which appears to be a good one.

Microneta innotabilis, Cambr.

Nerienne innotabilis, Cambr., Spid. Dors., p. 131.

An adult female found by W. A. P.-C. in 1912, near Oxford, and new to that county.

Sintula cornigera, Bl.

Nerienne cornigera, Bl., Spid. G.B.I., p. 273.

„ „ Cambr., Spid. Dors., p. 430.

Nerienne indecora, Cambr., Proc. Dors. F. Club, Vol. XIV., p. 156, fig. 7.

Sintula cornigera, Bl.-Cambr., Proc. Dors. F. Club, XX., p. 9 ; XXIV., p. 154 (1903) ; and XXXII., p. 39 (1911).

An adult male of this rare and curious spider was taken by A. E. Ll. P.-C. on Bloxworth Heath on October 12th, 1912.

Tmeticus concinnus, Thor.

Tmeticus concinnus, Thor.-Cambr., Proc. Dors. F. Club, Vol. VII., p. 74, and Vol. XXIX., p. 173 (1908).

Adult males were taken on Bloxworth Heath October 12th, 1911, by A. E. Ll. P.-C.

Maso gallica, Sim.

Maso Sundevallii, Westr.-Simon, Arachnides de France, V., p. 862.

„ *gallica*, Sim. Falconer, "Naturalist," October, 1912, pp. 313, 320.

Both sexes were obtained by Dr. Jackson and Mr. Falconer in Wicken Fen in June, 1912. It is a very distinct little species, and had not been before recorded as British. (Further particulars are added postea, p. 132).

Gongylidium retusum, Westr.

Nerienne retusa, Westr.-Cambr., Spid. Dors., p. 116.

„ *elevata*, Cambr., Zoologist, 1862, p. 7966.

Examples of this spider, always of great rarity hitherto in Dorsetshire, were taken on iron railings on the lawn at Bloxworth Rectory in June, 1912, by the Rev. R. J. Pickard-Cambridge and A. E. Ll. P.-C.

Gongylidiellum murcidum, Sim.

Gongylidiellum murcidum, Sim.-Cambr., Proc. Dors. F. Club, Vol. XVI., pp. 105, 125, and Vol. XXX., p. 105.

Dr. Jackson and Mr. Falconer met with this rare spider in some abundance in Wicken Fen in June, 1912. ("Naturalist," October, 1912, p. 314.) The New Forest and Wicken Fen appear to be as yet the only known localities in which it has been found. It is probably a marsh-loving species, and would be found in other similar localities yet unsearched.

(?) Gongylidiellum incertum, sp.n. Figs. 7, 8, 9.

A very distinct female spider, sent to me from Nethy Bridge, Scotland, by Mr. H. Donisthorpe in May, 1912. It appears to me to be of an undescribed species, and to

belong to the genus *Gongylidiellum* ; though whether this generic position is its true one I do not yet feel certain. (For full description see postea, p. 133.)

Erigone atra, Bl.

Erigone atra, Bl.-Cambr., Spid. Dors., p. 106.

Neriere longipalpis, Sund.-Blackw., Spid.

G. B. and I., p. 174.

Hillhousia desolans, F. O. P.-C., Ann. & Mag., N.H., ser. 6, Vol. XIII., Janry. 1894, p. 89, Pl. I., Fig. 4.

The genus *Hillhousia* was based on examples which turn out to be *Erigone atra*, Bl.

Lophomma herbigrada, Bl.

Neriere herbigrada, Bl.-Cambr., Spid. Dors., pp. 113, 576.

„ *exhilarans*, Cambr., Ann. Mag., N.H., ser. 5, Vol. 4, p. 199, pl. XII., fig. 3.

An adult male was found by W. A. P.-C., near Oxford, in 1912. It is new to that county.

Lophomma subæquale, Westr.

Lophomma subæquale, Westr.-Cambr., Proc. Dors. F. Club, Vol. XXVI., p. 50, pl. 3, fig. 10 (1905).

Walckenaera subæquale, Westr.-Cambr., Spid. Dors., p. 501.

„ *fortuita*, Cambr., Trans. Linn. Soc., Vol. 27, p. 452.

Tapinocyba subæqualis, Westr.-Cambr., Proc. Dors. F. Club., XXIII., p. 26 (1902).

A single male, found by Dr. Jackson in Wicken Fen in June, 1912. ("Naturalist," October, 1912, p. 314.)

Entelecara trifrons, Cambr.

Walckenaera trifrons, Cambr., Spid. Dors., p. 166, and Proc. Dors. F. Club, Vol. X., p. 132.

Entelecara trifrons, Cambr., Proc. Dors. F. Club, XXIV., p. 156.

Found not rarely by Dr. Jackson and Mr. Falconer in Wicken Fen in June, 1912. ("Naturalist," October, 1912, p. 314.)

Entelecara omissa, Cambr.

Entelecara omissa, Cambr., British and Irish Spiders, p. 75 (1900). Proc. Dors. F. Club, XXIII., pp. 24, 33 (1902), and Vol. XXIV., pl. A, figs. 10, 10a, 10b, 10c (1903). The fig. of the female (10d) is that of the next species.

Found abundantly by Dr. Jackson and Mr. Falconer in its original locality, Wicken Fen, in June, 1912. ("Naturalist," October, 1912, p. 314.)

Entelecara errata, sp.n. Figs. 18, 19, 20, 21.

Entelecara omissa, Cambr., Proc. Dors. F. Club, Vol. XXIV., pp. 149, 156 and postea, and 167, pl. A, fig. 10d.) (1903). The other figs. in pl. A are *E. omissa*, Cambr.

The occurrence in plenty of *Entelecara omissa*, Cambr. in Wicken Fen has enabled me to compare that species more fully with the examples taken in Cumberland by Dr. Jackson on the top of Scafell Pike and Bowfell, and supposed at the time to be those of *Entelecara omissa*, Cambr. We have now concluded that, though nearly allied, the Cumberland examples are of a different species. (For a description of which see postea, p. 134.)

Entelecara flavipes, Bl.

Walckenaera flavipes, Bl.-Cambr. Spids. Dors.,
pp. 559, 577. Blackw. Spid. G.B.I., p. 898.
Entelecara flavipes, Cambr., Proc. Dors. F.
Club, Vol. XVII., p. 59, and XXIII., p. 24.

Although occasionally this little spider turns up locally in greater numbers, it is still generally rare. An adult male was sent to me in June, 1912, from Winfrith, by Dr. Haines, and one was also taken on the railings of the lawn at Bloxworth Rectory by the Rev. R. J. P.-C. in the same month.

Baryphyma pratensis, Bl.

Walckenaera pratensis, Bl.-Cambr., Spid. Dors.,
p. 502.
" " Bl., Spid. G.B.I., p. 306.
" *Meadii*, Cambr., Proc. Dors. F. C.,
Vol. X., p. 13 ; Vol. XII., p. 95.
Baryphyma pratensis, Bl.-Cambr., Proc. Dors.
F. C., Vol. XVI., p. 106 ; Vol. XVII., p. 59 ;
Vol. XX., p. 7 ; Vol. XXIV., p. 159 ; and
Vol. XXVI., p. 53 (1905).
Baryphyma Schlickii, Simon (Cambr.) ;
Araneides de France, V., p. 695.

Two adult males were sent to me in 1912 from Yarnton, Oxfordshire, by Mr. J. Collins. This is its first record from that county. It was also found in Wicken Fen many years ago by Mr. W. Farren and F. O. P.-Cambridge.

Gen. nov. COLLINSIA.

(For Generic Characters, etc., see p. 135, postea.)

Collinsia notabilis, sp.n. Figs. 10, 11, 12, 13, 14, 15, 16, 17.

Not being able to allocate this very distinct little spider at present to any established genus, I have tentatively

formed a new one for it. It seems to be allied to *Gongylidiellum* ; (for further particular description see postea p. 136) an adult male was found by Mr. J. Collins, of the Oxford University Museum, at Tubney, in Berkshire, and sent to me by him in May, 1912.

Araëoncus humilis, Bl.

Walckenaera, Bl.-Cambr., Spid. Dors., p. 150.

An adult male was found on the lawn railings at Bloxworth Rectory by the Rev. R. J. P.-C. in June, 1912. It appears to be still a rare spider in Dorsetshire.

Wideria fugax, Cambr.

Nerienne fugax, Cambr., Spid. Dors., p. 121 ;
Proc. Dors. F. Club, XIV., p. 153.

An adult male found by A. E. Ll. P.-C. in Bere Wood on Nov. 7th, 1912. It is still an exceedingly rare spider.

Ceratinella scabrosa, Cambr.

Walckenaera scabrosa, Cambr., Spid. Dors.,
p. 143.

An adult male found in the shrubbery, Bloxworth Rectory, in May, 1912, by A. E. Ll. P.-C. It is still a species of rare occurrence.

Ceratinella brevipes, Westr.

Walckenaera brevipes, Westr.-Cambr. Spid.
Dors., p. 143.

An adult male found on the Lawn Railings at Bloxworth Rectory on June 23rd, 1912, by the Rev. R. J. Pickard-Cambridge. This, like the foregoing species, is also of rare occurrence.

Fam. MIMETIDÆ.**Ero tuberculata**, DeGeer.

Ero tuberculata, DeGeer-Cambr., Spid. Dors.,
pp. 335, 580 ; Proc. Dors. F. Club, XVIII.,
pl. A, fig. 6, and XXXII., p. 42 (1911).

Both sexes, adult and immature, found on the heath
near Trigon Hill in September, 1912, by A. E. Ll. P.-C.
and W. A. P.-C. It is still a very rare and local species.

Fam. EPEIRIDÆ.**Singa hamata**, Clerck.

Epeira tubulosa, Walck.-Blackw., Spid. G.B.I.,
p. 364.

Singa hamata, Clk.-Cambr., Spid. Dors., p. 248,
and Proc. Dors. F. Club, XXXI., p. 60
(1910).

Adult males sent to me by Mr. J. Collins from Tubney,
Berkshire, in 1912.

Singa pygmæa, Sund.

Epeira anthracina, Bl., Spid. G.B.I., p. 357,
pl. XXVII., fig. 257.

Epeira Herii, Bl., l.c. pl. XXVII., fig. 264
(exclude description at p. 466).

Singa pygmæa, Sund.-Cambr., Spid. Dors., p.
249, Proc. Dors. F. Club, XXIII., p. 28, 1902,
and XXVI., p. 54, 1905.

An adult female received from Mr. J. Collins, by whom
it was found at Cothill, in Berkshire, in 1912 ; and also
received, in 1912, from Dr. Haines, Winfrith.

Singa sanguinea, C. L. Koch.

Singa sanguinea, C. L. Koch-Cambr., Spid. Dors.,
p. 251 ; Proc. Dors. F. Club, Vol. XXIII.,
p. 28 ; Vol. XXX., p. 108 ; XXXI., p. 61 ;
and XXXII., p. 42.

Epeira Herii, Hahn-Bl., Spid. G.B.I., p. 366
(exclude pl. XXVII., fig. 264).

An adult female received from Dr. Haines, Winfrith,
in 1912.

Singa Herii, Hahn.

Singa Herii, Hahn-Cambr., Proc. Dors. F. Club,
XIV., p. 160, fig. 5, and XXXI., p. 61 (1910).

An adult male was taken at Wicken Fen by Dr.
Jackson in June, 1912, "Naturalist," October, 1912,
p. 315. This locality is the only one from which this
very rare spider has hitherto been recorded in Great
Britain.

Epeira Westringii, Thor.

Epeira Westringii, Thor.-Cambr., Spid. Dors.,
p. 260.

An adult male found at Witham, Berkshire ; sent to
me in 1912 by Mr. J. Collins, University Museum, Oxford.

Fam. THOMISIDÆ.**Thomisus onustus**, Walck.

Thomisus onustus, Walck Cambr., Spid. Dors.,
p. 188 ; and Proc. Dors. F. Club, XXI., p. 25,
and XXIII., p. 28 (1902).

A rare and local spider found in the blooms of various
plants on heaths. Immature females sent to me from
the district of Winfrith in June, 1912, by Dr. Haines.

Oxyptila sanctuaria, Cambr.

Oxyptila sanctuaria, Cambr., Spid. Dors., p. 319 ;
Proc. Dors. F. Club, Vol. VI., p. 10 ; XIV.,
p. 161 ; XV., p. 114 ; XX., p. 11 ; XXXII.,
p. 44.

On the wall of Bloxworth Rectory I found an adult male on the 24th of August, 1912, remarkable for its exceedingly minute size. It is a rare and local species.

Oxyptila Blackwallii, Sim.

Both sexes, but the males immature, were received from Dr. Haines, by whom they were found at West Lulworth in July, 1912. It is a rare species, and appears to be confined to the sea coast, beneath stones and among dwarf herbage.

Tibellus maritimus, Menge.

Tibellus oblongus, Kulcz., Aran. Hungariæ,
p. 115, Tab. IV., fig. 28.

Thanatus oblongus, Menge (female), Preussische
Spinnen, p. 396, Tab. 224, fig. 3.

Tibellus maritimus, Menge-Kulcz. (male),
Cambr., Proc. Dors. F. Club, XXXII.,
p. 47, pl. A, figs. 28-31 (1911).

Tibellus oblongus, Walck.-Cambr., Spid. Dors.,
p. 339 (ad partem).

Both sexes are recorded as abundant in Wicken Fen by Dr. Jackson and Mr. Falconer in June, 1912. ("Naturalist," October, 1912, p. 316.)

Fam. LYCOSIDÆ.**Trochosa spinipalpis**, F. O. P.-Cambr.

Trochosa spinipalpis, F. O. P.-Cambr., Ann.
and Mag. N.H., ser. 6, Vol. XV., p. 28, pl. III.,

fig. 4, &c. ; Cambr., Proc. Dors. F. Club, Vol. XVI., p. 118 ; Vol. XVII., p. 61 ; and Vol. XXVI., p. 55 (1905).

A male and several females are recorded by Dr. Jackson and Mr. Falconer in Wicken Fen, "Naturalist." A very rare British spider.

Lycosa Farrenii, Cambr.

Lycosa Farrenii, Cambr., Spid. Dors., p. 546. Proc. Dors. F. Club, Vol. X., p. 134 ; Vol. XXIV., p. 160 ; and Vol. XXIX., p. 182. (Further examination makes it certain that this species is not identical with *L. ferruginea*, L. Koch.)

Mr. Falconer reports the frequent occurrence of this species in the Wicken Fen. ("Naturalist," October, 1912, p. 316.)

Fam. SALTICIDÆ.

Marpessa pomatia, Walck.

Marpessa pomatia, Walck.-Cambr., Spid. Dors., p. 555 ; Proc. Dors. F. Club, Vol. XII., p. 97 ; XIV., p. 161 ; XXIII., p. 29 (1902), and XXXI., p. 64 (1910).

Hycia prompta, Bl.-Cambr., Proc. Dors. F. Club, Vol. X., p. 127.

Salticus promptus, Bl., Spid. G.B.I., p. 59.

„ *Blackwallii*, Clark. Blackw., Spid. G.B.I., p. 62.

Dr. Jackson reports this fine species as numerous, spinning in the heads of *Arundo phragmitis*, and Mr. Falconer speaks of it as more occasionally at large among vegetation, on the ground, at Wicken Fen in June, 1912. ("Naturalist," October, 1912.)

Neon valentulus, Falconer.

Neon valentulus, Falconer, "Naturalist,"
October, 1912, pp. 317, 321, pl. XV., figs.
9-12.

Taken in some abundance at Wicken Fen by Mr. Falconer and Dr. Jackson. It is nearly allied to *Neon reticulatus*, Blackw. Mons. Simon believes it to be a dark variety of this last species, and identifies it as *M. obscurus*, Sim., var. of *reticulatus*; but I cannot find it so recorded by M. Simon. From differences found by Mr. Falconer between the two forms it appears to be a good species.

Euophrys aequipes, Cambr.

Euophrys aequipes, Cambr., Spid. Dors., p. 404;
Proc. Dors. F. Club, p. 134, XVII., p. 113,
and XXIV., p. 161.

An adult male found at Ringstead in July, 1912, and sent to me by Dr. Haines. It is a rare and local species.

Attus (Sitticus, Sim.) caricis, Westr.

Attus caricis, Westr.-Cambr., Spid. Dors.,
p. 563; Proc. Dors. F. Club, Vol. X.,
p. 135.

Dendryphantus hastatus, C. L. Koch-Cambr.,
Proc. Dors. F. Club, Vol. VI., p. 11; X., p.
128; and XXI., p. 25; and List of British
and Irish Spiders, p. 71 (1900).

Dr. Jackson found this spider (a female adult and several immature) at Wicken Fen in June, 1912 ("Naturalist," October, 1912, p. 317); and an adult of the same sex was sent to me in September, 1912, from that locality also, by Mr. J. Collins, of the University Museum, Oxford.

ORDER CHERNETIDEA (False Scorpions).

Fam. CHELIFERIDÆ.

Chernes dubius, Cambr.

Chernes dubius, Cambr., "On the British Species of False Scorpions," Proc. Dors. F. Club, Vol. XIII., p. 227, pl. C, fig. 19.

An example of this Arachnid was sent to me from Enslow Bridge, Oxford, in 1912, by Mr. J. Collins. This is the first record I have received of a species of this Order from Oxfordshire. Other examples of this species were received also from Mr. Collins, found in an old owl's nest in an elm tree at Bradfield, Berkshire.

ORDER ACARIDEA.

Fam. TROMBIDIIDÆ.

Calyptostoma, Hardii. Figs. 22, 23, 24, 25.

Calyptostoma, Hardii Cambr., Annals and Mag. N.H., ser. 4, Vol. XVI., p. 384 (1875), pl. XIII., fig. 1, and Andrew Murray, F.L.S., "Economic Entomology," Aptera, p. 140, with woodcut figures.

An example of this curious little Acarid was found by A. E. Ll. P.-C. among dead leaves in Bere Wood on May 10th, 1912. The figs. given in the plate are from an example received Jan. 8th, 1903, from Mr. W. Evans (found in Perthshire at a height of 3,500), and in which the mouth parts were accidentally protruding.

LIST OF ARACHNIDS

In the foregoing Pages, with references to Page and Plate.

ORDER ARANEIDEA.

<i>Atypus affinis</i> , Eichw.	p. 110	
<i>Drassus pubescens</i> , Thor.	p. 110	
<i>Phæocedus braccatus</i> , C. L. Koch	p. 111	
<i>Prothesima pedestris</i> , L. Koch	p. 111	
<i>Clubiona cærulescens</i> , L. Koch	p. 111	
<i>Zora letifera</i> , Falconer	p. 111	
<i>Agroeca proxima</i> , Cambr.	p. 112	
„ <i>inopina</i> , Cambr.	p. 112	
„ <i>celans</i> , Bl.	p. 112	
„ <i>gracilipes</i> , Bl.	p. 112	
„ <i>diversa</i> , sp.n.	p. 113	Figs. 1-3.
<i>Theridion impressum</i> , L. Koch	p. 113	
„ <i>familiale</i> , Cambr.	p. 113	
<i>Laseola prona</i> , Menge	p. 114	
<i>Crustulina sticta</i> , Cambr.	p. 114	
<i>Linyphia peltata</i> , Wid.	p. 114	
<i>Taranucnus setosus</i> , Cambr.	p. 115	
<i>Leptyphantes moratus</i> , Hull	p. 115	
„ <i>insignis</i> , sp.n.	p. 115	Figs. 4-6.
„ <i>ericæus</i> , Bl.	p. 115	
„ <i>pallidus</i> , Cambr.	p. 115	
<i>Microneta beata</i> , Cambr.	p. 115	
„ (<i>Agyneta</i>) <i>ramosa</i> , Jackson	p. 116	
„ <i>innotabilis</i> , Cambr.	p. 116	
<i>Sintula cornigera</i> , Bl.	p. 116	
<i>Tmeticus concinnus</i> , Thor.	p. 116	
<i>Maso gallica</i> , Sim.	p. 117	
<i>Gongylidium retusum</i> , Westr.	p. 117	
<i>Gongylidiellum murcidum</i> , Sim.	p. 117	
„ <i>incertum</i> , sp.n.	p. 117	Figs. 7-9.

<i>Erigone atra</i> , Bl.	p. 118	
<i>Lophomma herbigrada</i> , Bl.	p. 118	
„ <i>subæquale</i> , Westr.	p. 118	
<i>Entelecara trifrons</i> , Cambr.	p. 119	
„ <i>omissa</i> , Cambr.	p. 119	
„ <i>errata</i> , sp.n.	p. 119	Figs. 18-21.
„ <i>flavipes</i> , Bl.	p. 120	
<i>Baryphyma pratensis</i> , Bl.	p. 120	
<i>Collinsia notabilis</i> , sp.n.	p. 120	Figs. 10-17.
<i>Aræoncus humilis</i> , Bl.	p. 121	
<i>Wideria fugax</i> , Cambr.	p. 121	
<i>Ceratinella scabrosa</i> , Cambr.	p. 121	
„ <i>brevipes</i> , Westr.	p. 121	
<i>Ero tuberculata</i> , DeGeer	p. 122	
<i>Singa hamata</i> , Clerck.	p. 122	
„ <i>pygmæa</i> , Sund.	p. 122	
„ <i>sanguinea</i> , C. L. Koch	p. 123	
„ <i>Herii</i> , Hahn	p. 123	
<i>Epeira Westringii</i> , Cambr.	p. 123	
<i>Thomisus onustus</i> , Walck.	p. 123	
<i>Oxyptila sanctuaria</i> , Cambr.	p. 124	
„ <i>Blackwallii</i> , Sim.	p. 124	
<i>Tibellus maritimus</i> , Menge	p. 124	
<i>Trochosa spinipalpis</i> , F. O. P.-Cambr.	p. 124	
<i>Lycosa Farrenii</i> , Cambr.	p. 125	
<i>Marpessa pomatia</i> , Walck.	p. 125	
<i>Neon valentulus</i> , Falconer	p. 126	
<i>Euophrys aequipes</i> , Cambr.	p. 126	
<i>Attus caricis</i> , Westr.	p. 126	

ORDER CHERNITIDEA.

<i>Chernes dubius</i> , Cambr.	p. 127
--------------------------------	--------

ORDER ACARIDEA.

<i>Calypstoma Hardii</i> , Cambr.	p. 127	Figs. 22-25.
-----------------------------------	--------	--------------

DESCRIPTIONS OF SOME OF THE SPIDERS IN THE
FOREGOING LIST.

Zora letifera, Falconer. p. 111.

Length of the adult male, $1\frac{3}{4}$ lines, very nearly 4 mm.
Adult female $2\frac{3}{4}$ lines, 4 mm.

Closely allied to the common *Zora maculata*, Bl., but of a generally paler hue and less distinctly marked. The legs of the 3 females examined were immaculate; those of the male had the tibiæ of the first two pairs black and a very small dark spot or marking at the fore extremity of the tibiæ of the third and fourth pairs. The structure of the palpi in the male, and of the epigyne in the female, also differ in the two species. Found in Wicken Fen in June by Mr. W. Falconer and Dr. Jackson; who do not appear to have met there with the usually common *Z. maculata*, Bl.

Agroeca diversa, sp.n. p. 113. Figs. 1-3.

Adult female, length 2 lines.

Very similar in general form and appearance to *Agroeca gracilipes*, Bl., which is fairly common where the present spider was found.

The colour of the *Cephalothorax* is deep brown with very slight traces of any longitudinal central pale yellow-brown stripe, which is plainly marked in *A. gracilipes*.

The *legs* are dull orange yellow. The *genuæ*, *tibiæ*, *metatarsi*, and *tarsi* of the first two pairs deep brown—approaching black. The *metarsi* of the third and fourth pairs deep brown, but less dark than those of the anterior pairs; the *tibiæ* of the third and fourth pairs are obscurely annulated with dull orange and brown. The *abdomen* is jet black, the ordinary pattern on the upper side obscurely

indicated with fine pale whitish lines, scarcely visible excepting in spirit of wine. The genital aperture is much like that of *A. gracilipes*, but differs a little.

Two examples found on Bloxworth Heath, October 14, 1913.

Leptyphantes insignis, sp.n. p. 115. Figs. 4-6.

Adult male, length 1-13th of an inch.

Cephalothorax longer than broad, obtuse at its fore extremity; lateral marginal impressions at the junction of the thorax and caput almost obsolete; marginal profile slightly impressed (or hollow) between the ocular area and the thoracic junction; colour pale dull yellowish, the margins and normal thoracic segments very faintly indicated by dusky blackish. The height of the clypeus appeared slightly to exceed half that of their facial space.

The *eyes* are on black spots, and rather closely grouped in a semi-circle; they are of moderate size; those of the posterior row are largest, and form a very slightly curved transverse row, whose convexity is directed forwards. The interval between the central pair is distinctly greater than that between each and the outer eye of the same row, next to it. The eyes of each lateral pair are contiguous and obliquely placed, and seated on a small tubercular prominence; those of the anterior pair are the smallest, near together, but not quite contiguous, and placed on a largish and tolerably distinct dull blackish spot. The trapezoid formed by the four central eyes is rather longer than broad, and broadest at its hinder side. All are pearly white, excepting the fore-central pair, which are slightly suffused with blackish.

Legs rather long and slender; 1, 4, 2, 3, hairs, and spines generally, normal. The spines on the tibiæ, especially of the fourth pair, very long. Colour uniform pale yellowish, slightly deeper than that of the *Cephalothorax*.

Palpi moderate in length. The cubital and radial joints short, the latter much the strongest, and has its fore extremity

rather produced in the form of an obtuse projection ; besides a few ordinary hairs the cubital joint has a single one a little stronger than the rest in front, and the radial has a curved one much stronger than the rest towards its extremity on the outer side. The digital joints are of moderate size. The palpal organs are highly developed, complex, and very distinctive ; their form and structure can be best seen and understood from the figure on the plate.

The *palpes* are of moderate size, vertical, and tapering, and, with the *maxillæ*, which appear to be of normal form, similar in colour to the *Cephalothorax*.

Sternum heart-shaped ; obtusely drawn out at its hinder extremity, which is truncate. Colour yellowish brown.

Abdomen, rather elongate-oblong, a little narrowest in front, and moderately convex above, of a uniform dull, pale, whitish hue (which would probably have become darker by age), furnished thinly with hairs, of which a few scattered over the upper side are very much longer than the others, prominent and black. The under side of the abdomen is suffused with sooty black.

Found among dwarf herbage in a wood at Bloxworth on the 18th of May, 1912.

Maso gallica, Sim. p. 117.

This species differs a little in size from the closely allied form, *M. Sundevallii*, Westr., but may easily be distinguished by the clavate hairs on the palpi of the male. These are, some of them at the fore extremity of the upper side of the radial joint and three others at the extremity of a conical projection near the base on the upper side of the digital joint. The genital aperture of the female also differs from that of *M. Sundevallii*. This latter species is widely distributed and common in some localities, but *M. gallica* has as yet only been recorded from Wicken Fen.

(?) *Gongyliidiellum incertum*, sp.n. p. 117.

Figs. 7-9.

Adult female, length 2 lines.

Cephalothorax much longer than wide, broadly and roundly obtuse at its fore extremity; lateral marginal impressions at the caput well marked; profile without impression between caput and thorax. The clypeus projects forwards, and exceeds in height half that of the facial space. The colour is yellow-brown.

The *Eyes* are small, and form very nearly a semi-circle. The hinder row form a slightly curved line, whose convexity is directed forwards; the two centrals are separated from each other by a diameter's interval, and each by a perceptibly greater interval from the lateral eye on its side. The fore lateral eye on each side is slightly the largest, and each lateral pair is seated on a small tubercular prominence. The fore-central pair are smallest, very near together, but not quite contiguous, and form, with the hind-centrals, a trapezoid whose hinder side is the longest.

The *legs* are rather long, 4, 1, 2, 3, moderately strong, furnished with hairs, and a few slender bristles, and similar in colour to the *Cephalothorax*.

Palpi similar to the legs in colour, and furnished on the digital joints rather thickly with spine-like bristles.

Falces strong, straight, tapering, prominently convex in front at their base, a little directed backwards, and slightly darker coloured than the *Cephalothorax*.

Maxillæ strong, nearly straight, rounded on the outer side, and a little leaning towards the *labium*, which is broader than long, hollow truncate at its upper margin and rounded at the corners, and of a dark brown hue, the *maxillæ* being in colour like the *falces*.

Sternum heartshaped, its hinder extremity is rather considerably produced into an oblong form between the basal joints of the fourth pair of legs. Its colour is dark yellow brown.

Abdomen oblong-oval, the upper side dull black and thinly furnished with fine black hairs. The underside is marked with an indistinct broken marginal whitish line on each side, and the spiracular plates are white. Spinners short and of a dull yellow-brown hue. On the underside of the abdomen, rather less than half way between the spinners and the genital aperture, is a longish transverse slightly curved fold in the epidermis, which has the appearance of being a perforated aperture ; but this may be only from a shrinking of the skin. The genital aperture is of a distinctive and characteristic form.

A single example found at Nethybridge, Scotland, by Mr. H. Donisthorpe.

Entelecara errata, sp.n. p. 119. Figs. 18-21.

Adult male, length $\frac{3}{4}$ of a line (or 1-16th of an inch) ; length of a female slightly more.

This minute spider is closely allied to *Entelecara omissa*, Cambr., and has been hitherto recorded under that name. It is, however, rather larger, and although corresponding in its general form, appearance, and structure, the following differences, among other lesser ones, seem to be sufficient to justify its being considered a distinct species. The *eyes* of the hind-central pair are distinctly nearer together, the interval between them being little, if anything, greater than an eye's diameter, while that between those of the corresponding pair in *E. omissa* is much greater. The *palpi* also of the male differ ; the digital joint in both has a similarly curved, concave production of its extremity, but the prominent process issuing from its concavity is longer and not clavate, nor is it smooth at its extremity like that in *E. omissa* ; this extremity in *E. errata* is apparently roughened and furnished there with some minute points or denticulations. The genital aperture in the female also differs slightly in its form and structure.

In *E. errata* the general colouring is—*Cephalothorax* dark brown, *legs* dull orange yellow, and the *abdomen* dull yellow-brown; the colours of *E. omissa* being of a darker brown hue on the cephalothorax, the legs clearer yellow, and the abdomen jet black. These colours, however, may in some measure depend upon the age of the specimen and the length of time it had been in spirit of wine.

The examples of *E. errata* were found by Dr. A. R. Jackson on Scawfell Pike and Bowfell, Cumberland, at height of 3,210, and 2,960 feet, while so far *E. omissa* has only been found in a marsh or marsh-like habitat.

Genus Nov. *Collinsia*.

Cephalothorax nearly as broad as long, rounded behind, and tapering to its fore extremity, which is broadly and roundly obtuse; the lateral marginal impressions are obsolete, or almost so; upper convexity normal; profile almost uniformly convex; a very slight impression at the junction of the caput and thorax. The height of the clypeus, which is rather prominent, exceeds half that of the facial space. *Eyes* in normal position of two transverse curved rows, posterior row slightly curved, the convexity of the curve directed backwards. Those of the central posterior pair appear to be slightly largest of the eight. *Legs* moderately strong, rather short, 4, 1, 2, 3! (1, 2, and 3 do not vary greatly in length) furnished with hairs, excepting a slender bristle-like spine at the extremity of each of the femora, and on each of the genual joints and tibiae. The digital joint of the male palpus has a strong obtuse concave prominence directed backwards at the base of the upper side. *Falces* rather long, moderately strong, straight, perpendicular, and furnished with a small single tooth (ending with a slender bristle) on the inner side near their extremity, besides the normal teeth near the fangs.

Collinsia notabilis, sp.n. p. 120. Figs. 10-17.

Adult male length 1-13th of an inch (2 mm).

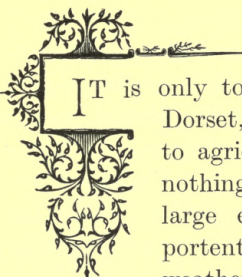
The colour of the *cephalothorax* and *falces* is yellow-brown, that of the *maxillæ* rather browner, and the *sternum* dark brown, convex and furnished thinly with prominent pale hairs. *Abdomen* black, spotted underneath, irregularly streaked on the sides, and suffused above with a pale hue. Some obscure transverse curved lines may be traced on the hinder half of the upper side; but all these pale markings are probably untraceable excepting in spirit of wine. The whole abdomen is covered with short curved hairs. The *eyes* are rather large, those of the hinder row are equidistant from each other, or very nearly so, the interval between the hind-central pair being slightly the greatest, but rather less than an eye's diameter. Those of each lateral pair are seated a little obliquely on a slight tubercular prominence, and the fore laterals appear to be rather larger than those of the hinder row; the fore-centrals are smallest and almost contiguous to each other. The *palpi* are of moderate length, the cubital joint shorter than the radial. This latter joint is much larger and spreads out considerably to its fore extremity; at its fore extremity towards the inner side is a prominent curved, tapering, short-pointed, black thorn-like projection or apophysis, and near it on its outer side is another pointed one, though not so long. The digital joint is of tolerable size, and has its hinder extremity on the upper side produced into a strong obtuse, slightly concave prominence directed backwards. The radial and digital joints are furnished with coarse hairs. The palpal organs are very prominent at their extremity and complex, but their structure can be better understood by reference to the figure in the plate.

A single example in excellent condition was found and sent to me from Tubney Wood, Berkshire, by Mr. J. Collins, of the University Museum, Oxford.



Dorset Weather Lore.

By J. S. UDAL, F.S.A.

 IT is only to be expected that in a county like Dorset, with a population so largely addicted to agricultural and pastoral pursuits—to say nothing of that part of it employed upon its large extent of sea-board—that signs and portents in any way indicative of what the weather is likely to be, are eagerly looked for and carefully treasured up, resulting in a strong belief in those superstitions to which they give rise.

It is, of course, impossible to say that many of the things that I note in this paper are peculiar to Dorset, or even to the West of England. But if one were only to record such of them as are not known to exist outside the county, and that principle were followed by other county collectors, then very many interesting items of weather lore would remain unchronicled altogether. As with plant and flower lore, so it is obviously impossible that the study of weather lore, if it be at all exhaustive, can be confined within the narrow geographical limits of a county.

It is difficult in a short paper like this to deal with the subject in a scientific or orderly method that would satisfy the student of comparative folk-lore ; so I shall be content to adopt some simple method of classification or arrangement that will make it easy for any such student to select the material he may desire for the purposes of comparison or generalization. The older chroniclers of the domestic customs and superstitions of the people—which we now call “folk-lore”—were by no means scientific or orderly in the treatment of their subject matter, but one was nevertheless always able to find what one wanted. One of the most usual methods was that of taking the particular days of the calendar or periods of the year and adjusting and assigning to them the subject matter suitable to each. It is this method that I will now begin with, dealing with it in chronological order.

Some thirty years or so ago the *Dorset County Chronicle* (I think at my suggestion, for I was anxious at that time to collect and preserve all the items I could of what may be termed Dorset folk-lore) instituted in its pages a “*Folk-lore Column*” for the collection of such items, and which I from time to time helped to supply with material. From that source, under date 17th December, 1891, I now give my first item.

NEW YEAR'S DAY.

It reads somewhat in the form of a prophecy from *Old Moore's Almanac*, and there is an old-world savour about it, but my note-book does not give the actual source whence it was taken. It treats of what we may expect should New Year's Day chance to fall upon a Thursday.

“Winter and summer windie. A rainie harvest. Therefore we shall have overflowings ; much fruit ; plentie of honey ; yet flesh shall be deare, cattel in general shall die ; great troubles ; warres.”

Although not quite in chronological order I will now give some weather forecasts applicable to Candlemas.

CANDLEMAS.

- (i.) If Candlemas Day (2nd February) is a fine day, winter is to come ; if it's a middling day, winter is half over ; if it's a very rough day, winter is past.
- (ii.) Another and rhythmical form of this belief was sent to me years ago, together with several other interesting items of Dorset folk-lore, by the late Rev. W. K. Kendall, of East Lulworth, himself an early member of this Club.
- “ If Candlemas Day be fair and fine,
Half the winter is left behin’.
If Candlemas Day do bluster and blow,
The winter is o’er, as all good people do know.”
- (iii.) Yet another instance of mild weather at Candlemas being taken as a harbinger of something more severe later on is furnished by the old saying that “ as much ground as the sun shines on on Candlemas Day will be covered with snow before Lady Day.”
- The late Mr. Hugh Norris, of South Petherton, for many years Somerset Editor of our excellent contemporary, “ *The Somerset and Dorset Notes and Queries* ” (Vol. I., pp. 160-162), gives a list of some West Country weather proverbs, from which I extract his version of the above saying, clothed in a rich vernacular—perhaps a little more Somerset than Dorset—“ Za much groun’ as ez cove’d wi’
“ zun ’pon Cannelmas Day ’ll be cove’d wi’ znaw
“ avore Lāady Day.”
- (iv.) In the following instance relating to Candlemas, furnished to “ *Notes and Queries* ” in 1872 (4th S. X. 82) by F.C.H. (the well-known Roman Catholic ecclesiastical authority, the late Dr. F. C. Husenbeth), attention is called to the alteration in these old dates—a fact, I am afraid, generally

ignored—caused by the introduction of the New Style. He says :—

“In Dorsetshire people anxiously look for the dew-drops hanging thickly on the thorn-bushes on Candlemas morning. When they do, it forebodes a good year for peas. But these weatherwise seers are apt to forget that all these old saws were adapted to the Old Style, according to which what used to be Candlemas is now St. Valentine. *N’importe*, the weather prophet coolly moves on his peg and goes on predicting with equal confidence.”

The following forecasts as to the kind of weather to be expected are based upon what has already obtained in particular months of the year—

January—

- (i.) “A January Spring
Isn’t worth a pin” (or, in West Dorset, “is good for no-thing.”)

Mr. Norris renders this latter version in the vernacular as follows :—“A January spring edd’n good vur noo-thing ;” because crops then become too forward,—“winter proud,” as it is called,—and are liable to be damaged by later cold weather.

- (ii.) Another version has :

“January Spring,
February wring.”

- (iii.) And a West Dorset variant of this last runs :

“A January Spring
Makes a February ring” (*i.e.* a ringing frost—the reverberation on the hard, frosty surface).

February—

- (i.) If a mild January was considered unseasonable and undesirable, similar weather during the following month of February seemed even less to the

taste of the Dorset agriculturist, if we may judge from a couplet sent in 1889 to the *Somerset and Dorset N. and Q.* (Vol. I., p. 269) by G.W.F., under which initials it is not difficult to recognise Mr. G. W. Floyer, another old member of the Club—

“Of all months that are in the year
Curse a fair Februeer.”

- (ii.) According to Mr. Norris this month shares, in slightly different terms, the epithet given to it by many other counties of “Veb’uary vell-ditch.”

March—

- (i.) The following proverb is no doubt common to many counties besides Dorset—“If March comes in like a lion, it will go out like a lamb,” and *vice versâ*.
(ii.) It is widely believed that March and the two following months afford the greatest trial to a weakly constitution, owing to their often rapid change of temperature. It is thus expressed in Dorset—

“March wull särech,
Eäpril wull try,
May’ull tell
If you’ll live or die.”

- (iii.) Another common one is—

“March winds and April showers
Will bring forth May flowers.”

- (iv.) The value to agriculturists of a dry March is well recognised in the proverbial sayings of many counties. In West Dorset I find the somewhat unusual form of “A bushel of March dust is worth a King’s ransom when do vall on thorneñ leaves,” given by a correspondent in *Notes and Queries* (5th S. I. 505), who suggests that the March dust is valuable at the close of the month when the thorn begins to unfold its leaves rather than at an earlier period.

- (v.) Mr. Norris is responsible for the following :—
 “ Zoo many vogs en Maärch, zoo many vrausts
 (or, *var.* “ vloods ”) en May.”
- (vi.) Also for the statement that when in Spring snow
 lies for some time on the hill-sides and under hedges
 the popular belief is that “ ’Tes awaitin’ vur mōōa.”

EASTER.

The following quatrain speaks for itself—

“ Sun Easter Day,
 Little grass, but good hay.
 Rain Easter Day,
 Good deal of grass, but bad hay.”

May—

- (i.) The changeable weather usually experienced in
 the month of May is neatly expressed in one of Mr.
 Norris’s contributions : “ May’s ha’f zumma ’n ha’f
 wenta.”
- (ii.) “ A Zunny May ’n a drepping June
 ’ll pūt all things en good tune.”

A comforting thought, as Mr. Norris says, for a late
 Spring.

MIDSUMMER.

“ A dry Summer never goes begging.”

Or, a West Dorset variant,

“ A dry Summer never begs its bread.”

Meaning thereby that fine dry weather in summer
 time is good for corn crops, particularly wheat.

MICHAELMAS.

The unseasonable effects of early frosts are shewn
 by the following lines :—

“ A frost before Michaelmas Day
 Hard enough to bear a duck ;
 All the Winter after
 Nothing but muck.”

CHRISTMAS.

- (i.) Similar to the last is one referable to Christmas :
“ If the ice will bear a horse before Christmas it won't bear a duck after.”
- (ii.) “ A light Christmas, light harvest.”
“ Light ” here presumably refers to a mild Christmas.
- (iii.) The same consequences of unseasonably mild weather, as already expressed as prevailing at Candlemas (iii.) is, with regard to Christmas, shewn by the following :—“ If the sun shines on Christmas Day it will snow on Candlemas Day.”
- (iv.) The same idea is more graphically expressed, perhaps, in this variant of the aphorism : “ How far the sun is within the stall on Christmas Day, so far the snow will be on Candlemas Day.”
- (v.) As a West Country variant of the common saying that “ A green Christmas makes a fat churchyard,” Mr. Norris gives the following as indicating the fatal effects of a trying spring on the constitutions of the sick and aged who have survived a mild winter—“ Ev a chich'ard da look lik' a pastur' vëel
“ 'pon C'ursmas Day 'll look lik' a plow'd vëel avoa
“ Medzumma Day.”
- (vi.) He also gives the following :—“ Dree whit' vrauses (frosts) vollerin' avore C'ursmas 'll bring rain,” a saying not by any means peculiar to Dorset or even the West Country.

PARTICULAR DAYS OF THE WEEK.

- (i.) The weather obtaining on particular days of the week has been made the subject of note or observation. In Dorset it is said that “ Friday and the rest of the week are never alike,” referring to the exceptionable weather usually met with on a Friday.
- (ii.) And sometimes it takes the form, in connection with other counties, of “ Like Friday, like Sunday.”

The former expression would appear to be at least as old as Chaucer. See the *Knichte's Tale*, 681 (Skeat's edition), "Selde is the Friday al the wyke i-lyke." This is referred to in a note by Miss C. S. Burne in her "*Shropshire Folk-lore*," p. 261.

MOON WEATHER LORE.

The various phases of the moon in most counties bear a large part in their weather lore, and amongst these the time of the new moon is predominant.

- (i.) In 1874 I sent to "*Notes and Queries*" (5th S., i., 48) an illustration of this from a Dorset source, wherein I stated that I had been informed by an old Dorset shepherd that "a Saturday's new moon "once in seven years was once too often for sailors," meaning thereby that sailors have a special dread of a new moon falling upon that day of the week. And I mentioned in illustration of this that the new moon for the previous August had fallen upon a Saturday, and that both the weather and sea had been unusually rough for that time of year.
- (ii.) Hence the proverb: "A Saturday's moon is the sailor's dread."
- (iii.) This is intensified should the full moon also fall on a Sunday, as is shown by the following couplet:
 "A Saturday's moon and Sunday's full
 Never did good and never wull."
- (iv.) A variant of this from West Dorset was sent in 1856 to "*Notes and Queries*" (2nd S., ii., 516) by *Clericus Rusticus* (Rev. H. Rawlinson, Rector of Symondsbury):—
 "A Saturday's change and a Sunday's full
 Comes too soon whenever it wool."
- (v.) When the moon is "cupped" (*i.e.*, has her horns turned directly upwards), it is popularly supposed

to forebode a wet month. (Mr. H. Norris.) This position of the moon is sometimes spoken of as "lying on her back."

- (vi.) "As many days as the moon is old at Middlemas (*i.e.*, Michaelmas), so many floods before Christmas."

MISCELLANEOUS WEATHER FORECASTS.

I now come to what I may term miscellaneous weather forecasts, or circumstances and incidents portending wet or fine weather. And first I will deal with predictions of rain.

PREDICTIONS OF RAIN.

- (i.) "Predictions of rain," says M.G.A.S. (Miss Summers, of Hazelbury Bryan, a lady who often contributed items of folk-lore to the *Dorset Chronicle Folk-lore Column*), in March, 1889, "are manifold. "Painful rheumatism, shooting corns, spiders "leaving their cobwebs and creeping about the "rooms, soot falling down the chimney, stones "drying quickly, cats washing over their ears with "their paws. I was astonished by an exclamation "I heard yesterday denoting the belief in 'weather "prophets,' which still clings to Dorset. 'Dear-a-me,' says an old woman, "a wëat zummer is "a'-fore us.' 'Bad job this year,' says her companion. 'I didn't mind you 'twere a' tween the "18th and 20th.' " "Thus," adds Miss Summers, "rain between these dates denotes a wet summer." I presume this would mean such a period in any month before summer commences.
- (ii.) Another prediction of rain is probably known to many here, namely, that when Hardy's Monument is plainly visible from Dorchester, it is a sign of bad weather, or, as another contributor to the *Dorset*

County Chronicle in March, 1898, rhythmically puts it—

“When Hardy’s Monument is plainly seen,
There’ll soon be heavy rain, I ween.”

- (iii.) From an illustration that has such an interesting naval connection with the county I will pass on to one of a more military character, namely, that the playing of a German band usually brings rain. A correspondent in *Notes and Queries* in 1887 (7th S., iii., 306) states that during the haymaking season in Dorset in the previous year a man was heard to say, “I thought it would rain, the Germingham (German) band was in the village.” It appears to be a firmly rooted idea in the rural districts of Dorset, and also of Somerset (p. 432), that the arrival of these foreign musicians changes the weather for the worse. It is stated in “*Folk Lore*” (Vol. XX., p. 348, 1909) that a candidate in a recent Civil Service examination gave as a reason for the decreasing number of German bands in this country that people will not give them money because they bring rain!

- (iv.) The direction of the wind as indicating wet weather will, I think, to most minds afford something more than a merely superstitious belief in the correctness of the following lines, which are not, I take it, peculiar to this county.

“The south wind always brings wet weather ;
The north wind wet and cold together ;
The west wind always brings in rain ;
The east wind blows it back again.”

The weather of the last month or two has afforded ample means of testing this !

- (v.) The face of the sky is eagerly scanned by the weather-wise as indicative of bad or fine weather, and the following lines represent, I think, the form

in which this old adage is generally known to Dorset folk :—

“ Red in the morning,
Shepherds’ fore-warning ;
Red at night,
Shepherds’ delight.”

(vi.) Or, a shorter version :—

“ Red in the morning,
All day storming.”

(vii.) Mr. Norris gives a combination of these two :

“ Urds (red clouds) en tha marnin’,
All tha day starmin’ ;
Urds en tha night,
’Z tha shephe’d’s’ delight ”

(or, “ All the day bright ”).

The general distrust of “ mackerel ” sky from a weather point of view is shewn from two rhymes given by Mr. Norris in his list of weather lore items above mentioned.

(viii.) “ Mack’el sky en mää’s (mare’s) tails,
Da määke zailas (sailors) lowa zails.”

And :

(ix.) “ Mack’el sky,
Wun’t be vaour ’n twenty hours dry.”

(x.) The old Dorset proverb that
“ A fog on the hill
Brings water to the mill,”

is, of course, a clear indication of rain.

(xi.) The ancients were not the only people to practise divination from observations of the flight of birds or the actions of animals. In Dorset it is commonly believed that if rooks are seen to be flying round and round, cawing loudly or in a “ charm,” as the rustics would say, and frequently dropping in their flight and recovering themselves, it is a sign of

imminent and very stormy weather. This is more than a mere superstition, and is easily verified. (See also *Somerset and Dorset Notes and Queries*, Vol. I., p. 182, where this action of the rooks is spoken of as "playing breakneck.")

- (xii.) It is commonly noticed that immediately before a thunderstorm birds will cease their singing and seek shelter.
- (xiii.) If the green wood-pecker (*picus viridis*)—called in Dorset the "yaffle" (from his joyous laugh of "yaffala, yaffala, yaffala"), also the "wood-wall," and sometimes the "rain bird" (see R. Bosworth Smith's *Bird Life and Bird Lore*, p. 405 (1909)—whilst flying from tree to tree or wood, frequently utters its discordant, or, as some people would have it, laughing cry, it is a sign of rain.
- (xiv.) Again, if a wren is heard to cry or sing much it is said to be a sign of rain.
- (xv.) So, also, if geese fly, or flutter, down hill.
- (xvi.) Or if a cock crows upon his perch. Hence the rhyme—
 " If a cock goes a-crown to bed,
 He'll cēartainly rise wi' a watery head."
- (xvii.) The same significance is attached whenever snails, especially black ones, are seen crawling about to any extent. Thus an old saying :
 " When black snails cross your path,
 Black clouds much moisture hath."

Portents of fine weather :—

I am afraid that I have not been able to gather together so many portents or predictions of fine weather as I have of those foreboding the reverse.

- (i.) If cattle during wet and miserable weather are seen feeding at the top of a hill, it is considered a sign that the weather will soon clear up. This I have not infrequently verified myself.

(ii.) As we have heard that if geese fly, or flutter, down hill it denotes rain, so, if they do so uphill, it foretells fine weather.

(iii.) The adage is common to most counties, I think, that

“ If it rains before seven
It will be fine before eleven.”

(iv.) The common, or scarlet, pimpernel (*anagallis arvensis*)—called in Dorset “ the poor man’s weather-glass,” from its delicate sense of perceiving the approach of rain, when it closes its flowers—is often apostrophized by children in their games in the following lines :—

“ Pimpernel, pimpernel, tell me true,
Whether the weather be fine or no.
No heart can think, no tongue can tell
The virtues of the pimpernel.”

(v.) The ash, in conjunction with the oak, is a very favourite test, according as one or the other is the first to put forth its leaves, as to what kind of weather may be expected during the ensuing season.

“ If the ash is before the oak,
Then there’ll be a very great smoke ;
If the oak is before the ash,
Then there’ll be a very great splash.”

But, as I have said in a former paper, in this Club’s *Proceedings* in 1899, dealing with superstitions applicable to the ash tree, the variants of this weather forecast are many. Some that I have heard, even in this county, are exactly the opposite to what I have given above, as in the following lines :—

“ If the ash is before the oak,
Then there’ll be a very great soak ;
If the oak is before the ash,
Then there’ll be a very small splash.”

I think it will be noticed that in the large majority of seasons the oak leaves are out before those of the ash. But I will leave it to observers themselves to say which of the two versions given above they consider the more correct one. For myself I can say that the oak leaves were first out last year, and what a summer we had !

- (vi.) I will conclude this paper with a reference to the rainbow, which, somewhat curiously, seems to have been made but little use of as a weather portent, at least, so far as it has come to my notice.

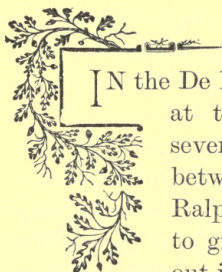
A correspondent in *Notes and Queries* (7th S., xi., 17) (1891) states that in Dorset, half a century before, the secondary rain-bow was called the "water-gull," and was supposed to be necessary to make the weather sign a satisfactory one. If one was seen alone, or with only an imperfect "water-gull," it was deemed unlucky. In other parts of England (*e.g.*, Yorkshire) it would seem that attempts were made to "cross out," or get rid of, the bow, by making a cross on the ground. Sometimes this was done by the foot, or by taking two pieces of stick and laying them on the ground and placing a small stone at the end of each stick. Sometimes straws were similarly used, or even the crossing of the forefingers of each hand was considered quite as effectual. This charm was supposed to cause the rainbow to disappear ; but one may well believe that by the time some of these charms were got ready the rainbow had disappeared of its own accord. (X., 366, 471.)





Sherborne Brewers in 1383 (6 Richard II.).

By E. A. FRY.



IN the De Banco Roll of Trinity, 7 Richard II., 1383, at the Public Record Office, London, are several long suits which recount a contest between the brewers of ale in Sherborne and Ralph, Bishop of Sarum. They are too long to give *verbatim* (though I have taken them out in full), but the controversy in a shortened form is as follows.

The brewers complain that the Bishop had taken a horse and kept it for three days and, because it was not fed and watered, it had died. The Bishop replies it is true he took the horse, but he kept it only half a day, and that if it died it was through no fault of his, as the brewers could have fed and watered it if they had chosen. Whether it was one horse taken in the name of all the brewers or one horse from each of them, is not quite clear, but in each case the horse died, which seems rather extraordinary.

The Bishop goes on to say that he was quite in order in taking the horse, as it was distrained for non-payment of his

due of $2\frac{1}{2}$ gallons of the best ale and $2\frac{1}{2}$ gallons of the second ale (subsequently altered to 2 gallons for each kind) and one farthing for every gallon of ale brewed for sale in his manor of Sherborne, of which he was the lord. In subsequent pleadings he alters the lordship to that of the Castle of Sherborne, and states that he had view of frank pledge twice a year.

In reply to this, Henry Lyneden, one of the plaintiffs, states that the place where this brewing of ale took place was in La Nywelond, *i.e.* Newland, parcel of the demesne lands of the manor, situate between the Chapel of St. Thomas-on-the-Green of Sherborne and the Castle. He goes on to quote a charter granted by Richard (Poore) Bishop of Sarum (1217–1228), in the reign of Henry III., and confirmed by Bishop Roger (de Mortival, 1315–1330) in the reign of Edward II., which I here condense in English, but give in full Latin text further on. It would be interesting to ascertain if this charter is still in existence, or is enrolled in any of the Salisbury Cathedral muniments, or whether it is a veritable antiquarian novelty.

Bishop Poore's charter is dated in the eleventh year of his pontificate (the day and month are not stated), that is to say, in the last year of his being at Salisbury, and therefore before 22 July, 1228, on which day he was translated to Durham. By it he grants, with the assent of the Dean and Chapter, to all his freemen who take new burgages at Sherborne between the Chapel of St. Thomas and the Castle, that they shall hold them freely and quietly for ever from him and his successors with all liberties and free customs to the said burgages belonging. Three kinds or sizes of burgages are instituted, the first kind are on the south side of the way which leads from the said Chapel towards the Castle, and are to measure 20 perches long by 4 perches wide, and are to pay 12 pence per annum at the 4 usual quarter days. The second are on the north side of the said way, and are to measure 24 perches long by 4 perches wide, and are to pay an annual rent of 18 pence, and the third kind are situate between the said

Chapel and "our barn," probably a tithe barn, and measure only 2 perches long by 2 perches wide, and pay an annual rent of 8 pence. These rents are "for all service and exaction for said burgages which said free tenants and their heirs have for ever." It is over these few last words that the disputes arose, as will be shown later on.

The "Inspeximus" of the Charter by Bishop Roger has no date whatever, and only an exhaustive examination of the periods when the witnesses to it were all alive will give the precise date, between 1315 and 1330 (during which years Roger de Mortival was Bishop of Salisbury), when the document could have been confirmed.

Henry Lyneden's contention is that he now holds a burgage which Bishop Richard granted to John Bradford, and was therefore free from all services and exactions.

To this the Bishop replies that the Charter only extended to the exoneration of the tenants from doing the services mentioned in the Charter.

Some of the Plaintiffs go rather fully into the question of the situation of Newland, and say that the Castle is situate within the site of the manor of Sherborne, within the precincts of which manor there is an ancient vill of Sherborne bounded by ancient metes and bounds, and that there are within the precincts of the said manor divers hamlets outside the ancient vill of Sherborne, viz., West Burton, East Burton, Holnest, Wotton, Gromeslee, Pyneford, Woborn, and Thornyford. Adjacent and contiguous to, but outside the bounds of the ancient vill, are three places called Coumbe, North Coumbe, and Nywelond, in which three places were men living for a long time who brewed ale for sale, and that Bishop Richard granted certain burgages of different dimensions, paying for them various rents "for all services and exactions," and that the said Bishop had a Court with View of Frankpledge to be held at the Cross in the middle of the place of Nywelond by his Seneschall, to which Court the men of Nywelond holding burgages there came and not elsewhere, and were amerced and punished, and it was here the men of

Nywelond were tallied and taxed and not in the old vill of Sherborne, nor did the men of the old vill come to Nywelond.

Apparently this plaintiff endeavoured to set up an *imperium in imperio* exempt from a tax on ale. But it was of no avail, for a jury being summoned they state on their oaths that the said Bishop and his predecessors in virtue of their lordship of the Castle of Sherborne have always been accustomed time out of mind (not merely in Bishop Poore's time) to have 2 gallons of the best ale and 2 gallons of the second ale and one farthing per gallon, both within and without the precincts of the vill of Sherborne, and they assess the damages of the Bishop at £37 0 0, which I suppose would be some £555 of our present money. They proceed to state what amount each of the plaintiffs have to pay towards this £37, and grant a "nolle prosequi" to two only of the plaintiffs.

It is to be noticed that in the first place John Scopey (on m. 304), Richard Mohun (on m. 305), John Tayllor atte mere (on m. 306) and Henry Lyneden (on m. 307), as plaintiffs, each bring separate, though practically identical, suits against the Bishop for taking an unfortunate horse which dies, but it is only Henry Lyneden who quotes the Charter and its "inspeximus," presumably because he occupied one of the original burgages (formerly John Bradford's) granted by Bishop Poore.

Then Bishop Ralph turns the tables and brings two suits, one against (m. 315) the Defendants, John Caundle, souter, Walter Fisher, Thomas Tylie, John Kent, mulleward, John Pyneford, Robert Font, Robert Mulleward, Roger Bavant, Richard Croppe, John Dale, Matilda Gys, Walter Goldsmyth, Richard Godefray, William Houperre, William Free, John Scopey, Peter Shoier, John Graunt, John Bakere, John Dodde, Thomas Shephurd, and Henry Lyneden.

In the other suit (on m. 318) the Defendants are William Northerne, Stephen Bakere, William Font, John Nobilet,

John Manston, Margery Toukere, William Muriel, Margery Mannyng, John Bemynstre, John Donpayn, John Tailleur, webbe, Thomas Iweyn, Richard Monne, John Mulleward, John Bouer, Nicholas Deighere, William Mulleward, Stephen Holdefast, Robert Anketyll, Henry Mascall, William Webbe, and Nicholas Burel.

The damages assessed by the Jury on m. 315 are £37, those on m. 318 are £30, but both seem to have been revised, and on m. 319 and m. 320 the damages are reduced to £20 for both sets of Defendants.

What is particularly interesting in these proceedings is the statement that there was a Cross in the middle of the place of Newland, and Mr. Alfred Pope will be able to state in a future edition of his valuable "Old Stone Crosses of Dorset" that a Cross was certainly in existence there in Bishop Poore's time, viz., 1217-1228.

Perhaps the division of Newland into three zones with burgages of various dimensions and rents, and its position with regard to the Castle and the Barn, may throw light on other points now doubtful.

But the quotation in full of a Charter of A.D. 1228 cannot fail to be of archæological value, and the long list of local brewers shows to what an extent this beverage was consumed even in those days. Incidentally, also, it shows that the Chapel of St. Thomas-on-the-Green was in existence at the date of the Charter of 1228, the earliest date, I believe, previously known concerning this Chapel, being a Patent Roll of 18-19 Richard II., 1395, as mentioned in Hutchins, 3rd ed., Vol. IV., page 257.

The Inspeximus of Bishop Roger de Mortival (1315-1330) of the Charter of Bishop Richard Poore (1217-1228) to his

freemen of Sherborne. (De Banco Roll No. 490, *m.* 307 *d.*)

Universis sancte Matris ecclesie filiis ad quos presens scriptum pervenerit Rogerus permissione divina Sarum ecclesie minister humilis salutem in Domino Noveritis nos inspexisse cartam Ricardi quondam Episcopi Sarum in hec verba Universis Sancte Matris ecclesie filiis ad quos presens scriptum pervenerit Ricardus permissione divina Sarum ecclesie minister humilis Salutem in Domino Scire volumus universis quod nos assensu Decani et Capituli Sarum ad honorem beate Marie Sarum Dedimus et hac presenti carta nostra Confirmamus omnibus liberis hominibus nostris qui nova burgagia capiunt vel recepturi sunt apud Shirebourn scilicet inter Capellam Sancti Thome et Castrum quod ipsi et heredes sui teneant de nobis et successoribus nostris burgagia que habent vel habituri sunt in predicto loco libere pacifice integre honorifice et quiete imperpetuum cum omnibus libertatibus et libris consuetudinibus ad hujusmodi burgagia pertinentibus Ita videlicet quod presente ballivo nostro liceat ipsis et heredibus suis burgagia sua dare vendere vel obligare cuicumque voluerint preterquam ecclesiasticis domibus religiosis et judeis sub tali forma scilicet quod quicumque aliquod burgagium dare voluit hereditarie dabit nobis et successoris nostris pro relevio quantum idem burgagium reddit per annum Sunt autem predicta burgagia in tres partes distincta Prima pars est in australi parte [vie] qua it a capella Sancti Thome versus Castrum in qua parte plenum burgagium continet in longitudine viginti perticatas et in latitudine quatuor perticatas Ita videlicet quod quicumque tale burgagium tenuerit dabit nobis et successoribus nostris duodecem denarios per annum Secunda pars est in boreali parte predictae vie in qua parte plenum burgagium continet in longitudine viginti et quatuor perticatas et in latitudine quatuor perticatas Et quicumque tale burgagium tenuerit dabit nobis et successoribus nostris annuatim decem et octo denarios et qui plus vel minus tenuerit de talibus partibus burgagii secundum predictam quantitatem nobis et successoribus nostris respondebit Tercia pars est que se extendit a capella Sancti Thome versus orreum nostrum in qua parte burgagium continet in longitudine duas perticatas et in latitudine duas perticatas Et quicumque tale burgagium tenuerit dabit nobis et successoribus nostris octo denarios per annum Ipsi vero qui predicta burgagia tenent et tenebunt solvent prenominationum redditum ad quatuor annuos terminos scilicet ad Natale Domini quartam partem et ad festum Annunciationis Beate Marie quartam partem et ad festum Nativitatis Sancti Johannis Baptiste quartam partem et ad festum Sancti Michaelis quartam partem pro omni servicio et exactione Quare volumus et concedimus quod predicti liberi tenentes

et heredes sui habeant imperpetuum predicta burgagia per predictum
servicium bene in pace sicut predictum est Et ad maiorem hujas nostre
concessionis securitatem huic carte sigillum nostrum una cum sigillo
Capituli nostri huic presenti carte sunt appensa Hiis testibus

Henrico Abbate de Shirborne
Magistro Elia de Durham tunc Seneshallo nostro
Gilberto de Stapelbrigge canonico de Sarum
Gilberto Hospitali
Waltero de Purle
Stephano de Burton
Ricardo de Gulleford
Rogerio Everard tunc serviente de Shirborn clerico
Henrico de Haddon
Phillipo de Charteray
Willielmo de Duyn

Anno pontificatus nostri undecimo

Nos vero predictam cartam in omnibus suis articulis predicis bur-
gensibus et eorum heredibus prout ea usi fuerint pro nobis et success-
oribus nostris approbamus ratificamus et confirmamus Salvis nobis
et successoribus nostris et ecclesie nostre Sarum omnibus redditibus et
serviciis que nobis et predecessoribus nostris aliquo tempore accre-
verunt seu successoribus nostris accrescere possunt in futuro de quibus
quidem purpresturis placeis terre arentatis seu arentandis Ac eciam
escaetis in manibus nostris aut predecessorum nostrorum post datum
predicte carte quoquomodo accidentibus In cujus rei testimonium
presentibus sigillum nostrum una cum sigillo Capituli nostri Sarum
sunt apensa Hiis testibus

Magistro Henrico de la Wyle, cancellario ecclesie nostre Sarum
Magistro Thome Hentot, Archidiacono Dors
Magistro Waltero Hervy, Archidiacono Sarum
Magistro de Ayleston, Archidiacono Wiltes
Magistro Roberto Blonttesdon
Domino Willielmo de Braybrok
Domino Roberto de Wynchcombe et aliis

(There is no date to this Inspeximus.)*

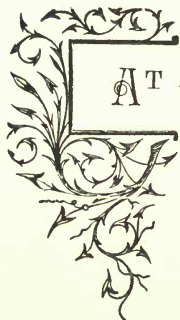
* Canon Mayo informs me that Robert de Ayleston was collated
to the Archdeaconry of Wilts, 27 May 1326 and became Archdeacon
of Birks in 1331, so that Bishop Roger de Mortival's inspeximus must
be dated between 27 May 1326 and 14 March 1329—30 when the
Bishop died.



The Ancient Memorial Brasses of Dorset.

By W. de C. PRIDEAUX, L.D.S., Eng., F.R.S.M.

PART VII.



AT a previous meeting I exhibited a series of figure and other memorial brasses ; to my great regret they were destroyed by fire shortly after, before being reproduced. I may perhaps mention that a large plano-convex lens was the cause of my trouble, and warn fellow-members against leaving lenses near papers, whether rolled or flat, on a sunny day.

I have rubbed most of these again and reproduce those from Woolland, Pimperne, Lytchett Matravers, and Church Knowle this year. Of others I have five inscribed brasses from Wareham, not in *Haines'* list. The Rector of St. Mary's was kind enough to allow me to examine the reverse of these brasses for possible palimpsests, I regret to say with negative result. During the alterations at Puddletown Church, the Rev. A. L. Helps allowed me to examine the curious Cheverell effigy and inscription there, but these plates, contrary to expressed opinion, proved to have perfectly plain backs.

Here lyeth y^e body of M^r George Burges
twice Maior of this Towne, who died.
Febr: 13^o. 1640.

If honest birth, good breeding, Courage, witt,
Contemp of wealth, firme frindshipp, may befit
An Epitaph; or Bountie, serue to raise
Thy sleeping Alhes into waking praise
This Tomb's thy Trumpett, & thy Legacy
In zeale, left to this House shall neuer dy.
Struxit amoris ergo
Anna Vxor eius.

George Burges, 1640.
WAREHAM.

Here lyeth the bodme of Ann Franke the wyfe of
Richard Franke, lincolne Draper in Wareham. her
Deceased the xliij. daye of septem in An. 1583. being
then of the age of xxx. yeres

Amstronlage in miseries wold in modistie and exlett
In godlines in governe went her ever guided well
in wedlocke chaste in faithfull hand. here yielded up her life
belovied, belovied by man by mayd and wyfe

Ann Franke, 1583.
WAREHAM.

WAREHAM, ST. MARY'S.

Position.—Fixed against south wall of chancel.

Size.—This is given separately.

Description.—Four 17th Century inscribed brasses in plain Roman type, and one of 16th Century date in Old English, having a little ornamental detail as filling. These epitaphs are curious, in matter and spelling.

GEORGE BURGES.

- (1) Size of plate, 20in. wide above, $17\frac{1}{2}$ in. below, $11\frac{3}{4}$ in. high.

Here lyeth y^e body of Mr. George Burges,
twice Maior of this Towne, who died

Febr. 13^o, 1640.

If honest birth, good breeding, courage, witt,
Contempt of wealth, firme friendship, may befitt
An Epitaph or Bountie, serve to raise
Thy sleeping Ashes into waking praise,
This Tomb's thy Trumpett, and thy Legacy
In zeale, left to this House shall never dy.

Struxit amoris ergo

Anna Vxor eius.

ANNE FRANKE.

- (2) Size of plate, 18in. wide by $6\frac{1}{2}$ in. deep.

Here lyeth the bodye of Ann Franke the wyfe of
Richard Franke, sumtyme Draper in Wareham, shee
Desesed the xviii. daye of Apryll in An^o. 1583, being
then the eayge of xxx yeres.

A matron sage, in maners mild, in modistie did exsell,
In Godlinis, in gouvernement shee ever guyded well ;
In wedlocke chast in faythfull hand shee yelded up
her lyfe,
Beloved, bewayled by man, by mayd, and wyfe.

WILLIAM PERKINS.

- (3) Size of plate, 20 $\frac{3}{4}$ in. by 6 $\frac{1}{4}$ in.

Here Lyeth buried the Body of William Perkins of
Byeastwall nere Wareham gent who dyed the xxTH
of August in the yeere of our Lord God, 1613.

Fine witt, fat welth, faire face, and sturdy strength
All these Devoringe Death Consumes at length.
Intemerated vertue and good name
Stand fast as rock, nothing removes the same ;
Therefore love firme things, loath the fleeting still,
This is the Sense and Subject of my will.

RICHARD PERKINS.

- (4) Size of plate, 20 $\frac{1}{2}$ in. by 5 $\frac{1}{4}$ in.

To the deare memory of her husband Richard Perkins,
Gent. who having passed his life Religiously towards
God And wTH great integrity and uprightnes towards
The World, rendered up his devout soule into the
Hands of his blessed Saviour, y^e 22TH of Aprill, A^o 1616.

EDMUND MOORE.

- (5) Size of plate, 14in. by 6in.

Loe heere lieth buried within this grave
The man home God did meane to save,
And hath him advanced to heaven's blis,
Wher he of hevens joye possessed is ;
If more of him you list to knowe
Thes folowinge leters his name do showe.
Edmund Moore who
Lived 72 years and
Died Maye 21, 1625.

HERE LYETH BVRIED THE BODY OF WILLIAM PERKINS OF
BYEASTWALL NERE WARHAM GENT WHO DYED THE XXth
OF AVGVST IN THE YEERE OF OVR LORD GOD 1613.

FINE WIT. FAT WELTH, FAIRE FACE, AND STVRDY STRENGTH.
ALL THESE DEVORINGE DEATH CONSVMES AT LENGTH.
INTEMERATED VERTVE AND GOOD NAME.

STAND FAST AS ROCK NOTHING REMOVES THE SAME.
THEREFORE LOVE FIRME THINGS LOATH THE FLEETING STILL.
THIS IS THE SENSE AND SVBIECT OF MY WILL.

William Perkins, 1613.
WAREHAM.

TO THE DEARE MEMORY OF HER HVS BAND RICHARD PERKINS
GENT WHO HAVING PASSED HIS LIFE RELIGIOVSLY TOWARDS
GOD AND Wth GREAT INTEGRITY, & VPRIGHTNES TOWARDS
THE WORLD, RENDERED VP HIS DEVOUT SOVLE INTO THE
HANDS OF HIS BLESSED SAVIOVR Y^e 22th OF APRIL A^o 1616

Richard Perkins, 1616.
WAREHAM.



HERE LYETH OVR LANDLADIE LOVED OF ALL
 WHOM MARY ARGENTON LAST WEE DID CALL.
 BVT FORMERLIE THORNHVLL OF THORNHVLL SHE HIGHT
 YET SISTER TO WILLIAMS OF HERINGSTON KNIGHT.
 BVT THORNHVLL DID LEAVE HER IN IOYNCTVRE MOST SVRE
 THIS MANNOR OF WOLLAND, WHILST LYFE DID INDVRE
 THE REVENEW WHEROF, SHE FREELYE DID SPEND
 IN GOOD HOSPITALITIE VNTILL HER LIVES END.
 HER PRAYERS TO GOD SHE NEVER NEGLECTED
 HER LIFE WITH INFAMYE NEVER DETECTED
 THEN REST WE ASSVRED THROUGH GODS GOOD GRACE
 HER SOVLE IN Y HEAVENS HATH TAKEN HER PLACE
 & DIED IN THE YEARE OF OVR LORD GOD 1616.

WOOLLAND.

MARY ARGENTON.

Mary, daughter of Robert Williams of Herrington, wife of Robert Thornhull, and then of Lewis Argenton, 1616, inscription in 12 lines Eng. mural Chancel, *Haines*.

Position.—Mural in the South aisle.

Size.—Effigy 98in. high, by 11½in. broad at the base ; inscription is 20½in. by 13in.

Description.—This curiously worded inscription described above by Haines is dated 1616, but the kneeling effigy above would appear to be of earlier date ; if not, the figure is a very late example of its type. The Church of Woolland was wholly rebuilt in 1743, “ being ancient and ruinous ; ” in its removal further West monuments to the Thornhulls are said to have suffered. Mary Williams was the second wife of Robert Thornhull, and by her he had seven children ; his first wife was Jane, daughter of John Tregonwell of Milton Abbey Esq^r, and by her he had two sons and one daughter, Margaret, who married John Skerne of Bere Regis. Margaret Skerne’s kneeling figure* in the Chancel at Bere Regis, 1596, although considerably smaller, is very similar to that of her kinswoman at Woolland.

The inscription, in Roman letters, reads as follows :—

Here lyeth our Landladie loved of all,
Whom Mary Argenton last wee did call,
But formerlie Thornhull of Thornhull she hight,
Yet sister to Williams of Heringston, Knight.
But Thornhull did leave her in Joyncture most sure
This Mannor of Wolland, whilst lyfe did indure ;
The Revenew whereof she freelye did spend
In good hospitalitie untill her lives end.

* Page 205, 1902 *Proceedings*, Part I., The Ancient Memorial Brasses of Dorset.

Her prayers to God she never neglected,
 Her life with Infamy never detected.
 Then rest we assured, through Gods good grace,
 Her soule in y^e Heavens hath taken her place.
 & died in the yeare of our Lord God 1616.

PIMPERNE, ST. PETER.

DOROTHY WILLIAMS.

Mrs. Dorothy Williams, 1694, curious, her husband John (rector ?), quadrangular plate mural, *Haines*.

Position.—Mural, near South door.

Size.—18¼ in. high by 18¾ in. wide.

Description.—This brass, showing fine but curious craftsmanship, and having borders representing the familiar emblems of mortality, probably came from the workshop of a goldsmith or copper plate engraver, whose name may be deciphered above the feet of the skeleton, "Edmund Colpeper, Fecit."

It is an example of two figures representing one and the same individual, and is found occasionally in stone, one above, in health and full costume of the period, the other a skeleton recumbent. In this instance the lady is represented as rising from a skeleton lying on a mattress, with a scroll issuing from her mouth bearing the text—"O Death where is thy sting, O Grave where is thy victory." The inscription, in Roman letters, reads :—

Near this place lies y^e body of Mrs. Dorothy Williams who deceased Nov. y^e 24th An^o Dom. 1694. Erected by her Husband John Williams Cler. in memory of y^e best of wives.

Dormio at Resurgam.

NEAR THIS PLACE LIES Y BODY
 OF M^{rs} DOROTHY WILLIAMS WHO
 DECEASED NOV Y 24th ANO DOM
 1694. ERECTED BY HER HUSBAND
 JOHN WILLIAMS CLER. IN MEMO
 RY OF Y BEST OF WIVES.



Dormio at Resurgam

Dorothy Williams, 1694.
 PIMPERNE.



hic jacet dñs Thomas pethyn quondā
Rectoris hui' ecclie cū eū p̄picietur dē

Thomas Pethyn, Rector, c. 1470.
LYTCHETT MATRAVERS.

Hic jacet martha Clement Generosa Specialis
būctatrix rectoris hui' ecclie que obiit xxviii die
m̄gis dñi m̄ h b cū p̄picietur dñs am̄

Margaret Clement, 1505.
LYTCHETT MATRAVERS.

LYTCHETT MATRAVERS, ST. MARY.

1.—Thos. Pethyn, rector, c. 1470, in shroud, small, in Chancel.

2.—Inscription; Margaret Clement “generosa specialis benefactrix reedificacionis hujus ecclesie 1505.”

3.—A matrix of a very large fret (the arms of Maltravers), with marginal inscription to Sir John Matravers, 1365 (Gough’s Sepulchral Effigies, Vol. I., p. 117). *Haines*.

THOMAS PETHYN.

Position.—Mural, below a window in the Chancel a little west of the piscina.

Size.—15in. high by $4\frac{3}{4}$ in. wide at the feet. The inscription $12\frac{1}{4}$ in. by $2\frac{3}{4}$ in.

Description.—This is the solitary example of a shroud brass extant in Dorset, although there are matrices, one being at present in St. Peter’s, Dorchester. They are not found earlier than the fifteenth century, one of the earliest being the half effigy of Joan Mareys at Sheldwich, Kent, 1431. Thomas Pethyn’s effigy is probably c. 1470. The origin of these peculiar effigies is given in Cotman’s Brasses, Vol. II., p. 51, to remind us “that the robes of pride will shortly be exchanged for the winding-sheet, and that beauty and strength are hastening to the period when they will become as the spectre before them.” The preparation for a shroud brass cannot have been very different from the following, for a marble effigy now in St. Paul’s.

“A monument being resolved upon, Dr. Donne sent for a Carver to make for him in wood the figure of an Urn, giving him directions for the compass and height of it; and to bring with it a board, of the just height of his body. ‘These being got, then without delay a choice Painter was got to be in readiness to draw his picture, which was taken as followeth.—Several charcoal fires being first made in his large Study, he brought with him into that place his winding-sheet in his hand, and having put off all his clothes, had this sheet put on

him, and so tied with knots at his head and feet, and his hands so placed as dead bodies are usually fitted, to be shrowded and put into their coffin, or grave. Upon this Urn he thus stood, with his eyes shut, and with so much of the sheet turned aside as might show his lean, pale, and death-like face, which was purposely turned towards the East, from whence he expected the second coming of his and our Saviour Jesus.' In this posture he was drawn at his just height ; and when the picture was fully finished, he caused it to be set by his bedside, where it continued and became his hourly object till his death." —Walton's Lives, p. 72.

The inscription is in Old English type with usual pre-Reformation wording—

hic jacet dñs Thomas Bethyn quandā
Rectoris hui ecclie quī aīc ppicietur d̄s

MARGARET CLEMENT.

Position.—On a slab in the Nave near the Font.

Size.—16½ in. long, 3 in. wide.

Description.—A plain inscription in Old English characters that incidentally fixes the date of a restoration of the Church in 1505.

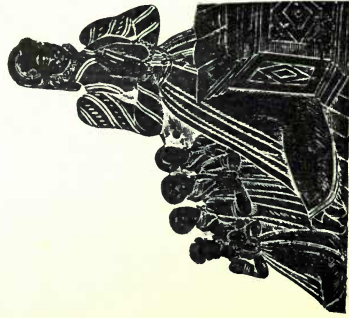
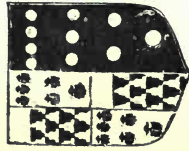
hic jacet Margareta Clement Generosa specialis
benefactrix reedificacionis hujus ecclesie que obiit
XXXXX die Junii Ao dñi M^o V^o U^o c^{us} aīc
propicietur deus amē.

CHURCH KNOWLE, ST. PETER.

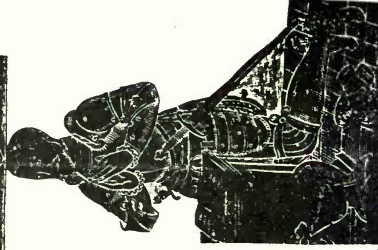
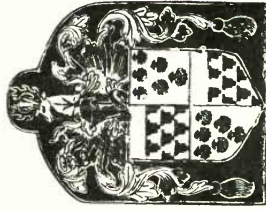
John Clavell, Esq^r in armour and two wives, 1st wife with 3 sons and 1 daughter, 2nd, Susan, daughter of Robert Coker of Mappowder, mural, North aisle. *Haines*.

Position.—Beneath the canopy of an altar tomb of Purbeck stone are three compartments, having the following three

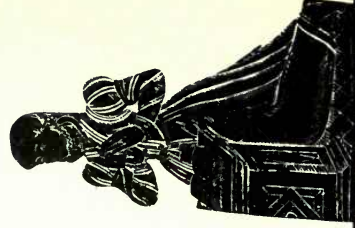
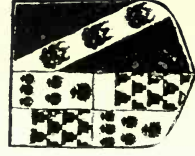




The figure of John Clavell Esqre. husband of
 their two wives: made A.D. 1609. 1609



The figure of John Clavell Esqre. husband of
 their two wives: made A.D. 1609. 1609



The figure of Robert Egger of Donpowder in the
 County of Dorset: made A.D. 1609. 1609

John Clavell, Esqre., and two wives, 1609.
 CHURCH KNOWLE.

figures let into the stone, below on the tomb are four blank shields. The monument is against the Eastern wall of the North aisle.

Size.—John Clavell's effigy 12in. high by 8in. wide, the shield above, 6½in. by 8½in., the inscription below 15in. by 2¼in. His first wife and children 11in. by 10in. wide, the shield over, 4¾in. by 6in. His second wife 11in. by 7in. with an inscription 16in. by 2½in., the shield over, 5in. by 6in.

Description.—John Clavell of Barneston and afterwards of Wareham was born and baptized 2 May, 1541 ; he died 5 Jan., 1609, and was buried at Knoll ; his will was proved 17th Feb., 1609. He probably erected this monument very shortly after his second marriage. He is shown kneeling at a desk on which is an open book, his hands are clasped in prayer, he is clad in plate armour similar to that of Nicholas Martin of Athelhampton at Puddletown,* but his helmet and gauntlets are to be seen on the ground beside him.

Over his head is a shield of arms, quarterly, bearing 1 and 4, *Vaire a chief gules* Estoke,† 2 and 3, *Sable six escallops three two and one argent* also Estoke. Crest, *a buck's head coupé ducally gorged gules pierced between the attires by an arrow flighted proper*, Clavell. Below is the following inscription in Old English characters :—

The fygure of Johñ Clawell Esquier housband of
these two wives, made. A. MCCCCCLXXIII

* Page 202, *Proceedings*, 1902, The Ancient Memorial Brasses of Dorset.

† In the Sixteenth Century the Clavells had adopted for their paternal coat the arms of Estoke. The same arms are attributed in Mr. Dennis Bond's MS to Avis dau. of Walter Clavell of Winfrith (uncle of this John) who married Robert Bond of Luton in 1565. But, in the Visitation of Dorset of 1623, their arms are given as, *Argent, on a chevron sable three caps of maintenance or*, and also in "Coker." Burke gives Clavell, *Argent on a chevron sable three steel caps argent*.

In the left compartment is the figure of his first wife, Myllecant daughter of John Gifford of Ishell, Hants, kneeling at a desk, her hands clasped in prayer, having her children, three boys and one girl, kneeling behind her. On the shield above her head, the arms quarterly as above, impaling *Argent ten torteaux four three two and one* for Gifford of Ishell. Her marriage settlement was dated 11 June, 1563, and she was buried at Knoll 29th October, 1571.

The inscription which should appear below this effigy is missing. In the right hand compartment is the effigy of his second wife Susan, daughter of Robert Coker of Mappowder, she was married before 1573, buried at Knoll 2 June, 1618, her will proved 29th June, 1618. She is shown kneeling alone at a desk on which is an open book, with her hands clasped in prayer, and is looking towards the dexter. Over her head is a shield of arms, quarterly as above, but impaling *on a bend gules three leopards' faces or*, Coker.

Below is this inscription in Old English characters—

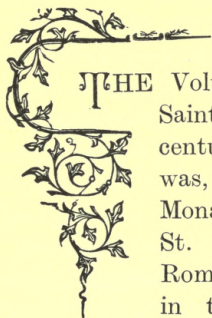
The fygure of Mistris Susan wife to the aforesaid
John Daughter to Robert Coker of Maupowder in the
County of Dorsett Esquier made. a. MCCCCCLXXXIII





The Marriage of St. Cuthburga,
who was afterwards foundress of the
Monastery at Wimborne.

By the Rev. Canon J. M. J. FLETCHER, M.A. and R.D.



THE Volume from which the following account of Saint Cuthburga is taken is a folio fourteenth century manuscript, written on vellum, which was, previous to the Dissolution of the Monasteries, in "the library of the Church of St. Mary and St. Ethelfleda-the-Virgin, at Romsey." It is now one of the Lansdowne MSS. in the British Museum (No. 438). In its present condition it consists of 131 folios, in double columns; and, according to the Index, originally contained the lives of 47 Saints, though the last four and the greater portion of a fifth are now missing.

The account of St. Cuthburga is fifteenth in order, and occupies six pages (ff. 38b—41b). It will be remembered that Cuthburga, the daughter of Kenred, and sister of Ina the great lawgiver, kings of Wessex, was married to Alfrid, or

Ealfrith, king of Northumbria. According to this MS. she persuaded her husband to release her from her vows before the marriage was consummated. And she built a monastery at Wimborne, over which she presided as abbess, and where eventually she died and was buried. The greater portion of the account in this MS. consists of a dialogue between Cuthburga and Alfrid, and of an address which she gave to her nuns shortly before her death.

This dialogue has, of course, no value from an historical point of view, though the actual framework of the story is accurate enough. For the life is written after the Thucydidean method, with imaginary speeches, &c. The MS., it should be pointed out, was compiled, or at any rate was copied, in the Fourteenth Century ; that is, its date is some six hundred years after the death of St. Cuthburga. The details were taken from the Anglo-Saxon Chronicle, or from the pages of some Monkish Chronicler, who in his history embodied the old tradition. But the speeches are, of course, imaginary ones, and the pretended conversation between St. Cuthburga and her husband is a composition in praise of virginity. Such compositions were not infrequent. It may be recollected that Freeman (*History of the Norman Conquest*, Vol. II., pp. 46, 47, 530-535) mentions a similar conversation in which Edward the Confessor and Eadgyth are the interlocutors.

So far as I am aware, this MS. has never been printed, nor have I seen or heard that it has been previously translated. Hardy, however, in his "Descriptive Catalogue of MSS. relating to the Early History of Great Britain" (Rolls Series), Vol. I., p. 384, gives in a few lines a summary of the life of St. Cuthburga as described in this Lansdowne MS.

But amongst the Cottonian MSS. in the British Museum (MS. Cott. Tiberius E. 1. ff., 234-5), there exists a vellum MS. somewhat injured by fire. It contains, amongst other lives of the saints, one of St. Cuthburga, which is apparently taken from the same source as that in the Lansdowne MS., though in an abridged form. It was in all probability written by

John of Tynemouth, who was born in 1290, Vicar of Tynemouth in 1315, and afterwards removed to St. Albans Abbey, where he in all probability died of the plague in 1349. This has been edited by C. Horstman, and printed by the Clarendon Press in 1901.

John of Tynemouth seems to have been one of the first to compile a *Sanctilogium Angliæ*. There are two copies of this MS. in the Bodleian Library at Oxford, and there is a third in the Library at York Minster. There is also another copy in the British Museum, though it has suffered so much from fire that it is charred to a crust.

In the 15th century, John of Tynemouth's *Sanctilogium Angliæ* was re-arranged in alphabetical order by Capgrave, whose Collection of Lives, with the addition of 15 fresh ones, was beautifully printed in the year 1516 by the celebrated printer, Wynkyn de Worde, under the title "*Nova Legenda Angliæ*."

These "Legendaries," or Lives of the Saints, in pre-Reformation days, were read in the Church as Lections, or Lessons, in the Nocturns; and were used as Sermons, which on Saints' Days frequently consisted merely of the reading of the lives of the Saints commemorated on those particular days. No doubt they also served as the devotional portions which were read for the edification of the members of Religious Communities whilst they took their meals in the Refectories of their Monasteries.

It should be added that the quotations from Holy Scripture in this Lansdowne Manuscript are as a general rule taken verbatim from the Vulgate, to which the footnotes refer.

The following is a copy of the Latin MS., with an English translation on the opposite page :—

LANSDOWNE MS. 436, FF. 38B-41B.

Incipit de sancta Cuthburga virgine et Regina.

Anno ab incarnatione Domini nostri Ihu circiter sexcentesimo septuagesimo extitit in Westsaxonia quidam magne nobilitatis subregulus de nobili magnorum regum prosepia oriundus nomine Kenredus. Iste Kenredus genuit sanctum Ine et fratrem eius Iniels et beatam Cudburgam et sororem eius sanctam Quenburgam. Mortuo autem Ceadwalla Westsaxonum rege predictus venerabilis et regali stirpe creatus Ine tocius regionis communi eleccione et unanimi voluntate in regem eligitur, et ad tocius regni gubernacionem proficitur. Venerabilis igitur virgo soror eius *Cudburga a diebus adolescencie sue soli angelorum Domino elegit complacere, ut prudens virgo cogitans semper que Domini sunt ut esset sancta corpore et spiritu. Illibatum itaque servans florem virginitatus iocundam spiritui sancto preparabat mansionem. Fama autem probitatis necnon et pulchritudinis ipsius circumque provolitans et ubique bonum odorem profundens, multos reges et nobiles adolescentes suo illexerat amore et a multis in coniugium petebatur assidue, et quia de genere processerat regio et quia facies erat ei digna imperio. Sed illa solius celestis sponsi gaudens inherere complexibus, hominum eciam horrebat aspectus, et tota divinitatis suspensa contemplacioni dicebat in corde suo, ‡ dilectus meus mihi et ego illi, illum solum desidero, illum solum tenere concupisco, illius amore langueo, illi soli adhere suave mihi et iocundum, quia speciosus est pre filiis hominum.

Capitulum secundum.

Postea Rex Northamhimborum Aldfrith vir in scripturis eruditus misit legatos suos ad venerandum Ine regem Westsaxonum, rogans ut ei suam sororem sanctam Cudburgam daret in coniugem. Quibus auditis Rex ut erat vultu placido respondit legatis quod super hoc virginis acceptaret animum, utrum talibus prebere assensum. Advocans ergo rex clam sororem suam indicavit ei regis legacionem, et quid super hoc responsurus esset sui requirit animi voluntatem. Ad hoc verbum virgo pudica primo expavit; deinde resumpto spiritu sic regi respondit: "Domine et frater, si mihi ad votum meum vivere liceret, nullus certe in tota Britannia rex vel subregulus in sponsum michi placeret. Set quia Scriptura dicit, quod § qui potestati resistit Dei ordinacioni resistit, quemcunque tua maiestas mihi ordinaverit me sibi obedientem

* The name in the M.S. is variously spelt 'Cuthburga,' 'Cudburga,' 'Cuthberta,' and 'Cudberta.'

† I. Cor. vii., 34.

‡ Cant., ii., 16.

§ Rom. iv., 2.

TRANSLATION.

Here beginneth concerning Saint Cuthburga, Virgin and Queen.

About the year 670 from the Incarnation of our Lord Jesus, there was in Wessex a certain sub-king of high nobility and sprung from a noble line of great kings, Kenred by name. This Kenred begat Saint Ina and his brother Ingild and the blessed Cuthburga and her sister Saint Quenburga. But on the death of Ceadwalla king of Wessex the aforesaid venerable and royally descended Ina is elected king by the general choice and joint will of all that region and is set to govern the whole kingdom. Now the venerable virgin, his sister Cuthburga, from the days of her youth chose to please the Lord of the angels alone, like a wise virgin thinking only the thoughts of the Lord, that she might be holy in body and in spirit. And so, keeping untouched the flower of her virginity, she made ready a pleasing mansion for the Holy Spirit. Now the report of her purity and of her beauty being spread abroad on all sides and everyone sending forth a sweet odour, had attracted many kings and noble youths with love of her, and by many she was eagerly sought in marriage, both because she came of royal race and because her countenance was worthy of a position of supreme authority. But she, rejoicing to cleave to the embrace of her heavenly spouse alone, shrank even from the gaze of men, and, wholly intent on the contemplation of the Divine, said in her heart, "My beloved is mine and I am His; Him alone do I desire; Him alone do I desire to hold, and with the love of Him alone do I languish; to Him alone is it sweet and pleasant to me to cling, for He is lovely beyond the sons of men."

The second Chapter.

Afterwards Aldfrith, king of the Northumbrians, a man learned in the Scriptures, sent his envoys to do honour to Ina king of Wessex, desiring that he will grant him his sister Saint Cuthburga in marriage. Whereupon the king with his habitual placid countenance made answer to the envoys that he would make trial of the virgin's mind on this matter whether to give assent to such a request. Therefore the king, calling his sister privately to him, made known to her the king's embassy, and asked her will what he should answer in this matter. At this the modest virgin was at first amazed; but afterwards, recovering her spirit, she thus makes answer to the king: "My lord and brother, were it permitted me to live after mine own wish, assuredly no king or under king in all Britain were a husband to my mind. But inasmuch as the Scripture saith 'he who resists authority resists the ordinance of God,' whomsoever your majesty hath ordained for me he shall find me prompt to obey him, though it be not of my will. For

prompte quamvis non voluntarie inveniet. Scriptum est autem* quod voluntas habet penam, et necessitas parit coronam. In Domino enim confido quod respiciet humilitatem ancille sue, nec patietur violari claustra pudicie mee, neque vnquam me sequestrabit a castis complexibus dileccionis sue. † Non est enim impossibile apud Deum omne verbum Potens est ergo Dominus et sponsus meus me sibi eciam sub matrimonio custodire incorruptam; et quamvis alicui secundum legem hominum nubam, potest tamen me sibi conservare inviolatam."

Capitulum tertium.

Audito igitur virginis responso serenissimus rex Ine mandat regi Northamhimbriorum tandem ad consensum emollitum virginis animum, et ut statuta die ducat eam in vxorem juxta regiam nobilitatem et gentis sue consuetudinem. Quo audito rex Northamhimbriorum supra quem dici potest magno gavisus est gaudio; quia non modico virginis ardebat desiderio. Evoluta igitur non longo temporis intervallo adest dies determinatus nupciarum; et desponsatur beata virgo Cudburga regi Northamhimbriorum. Cumque nupcie regio more celebrarentur et omnes provincie illius optimates tante festivitati interessent et congratularentur, beata virgo Cudburga secreto sola cubicularem ingressa thalamum talem dicitur oracionem fudisse ad dominum: "Domine Ihu dominator universe creature inclina pias aures ad preces ancille tue. Bone Ihu donator castitatis sanctificator virginittatis intende queso oracionem meam pravittatis et ascendat deprecacio mea in conspectu tue maiestatis. Te solum domine in sponsum meum elegi, tibi me totam a iuventute mea donavi, tu mihi super omnia complacuisti. Custodi domine quod tuum est, conserva tibi partem tuam, dignare me vocare sponsum tuam. Non sinas corpus meum quod templum tuum est aliqua carnis corruptione contaminari, nec aliquod candide virginittatis mihi detrimentum inferri. Set inter‡ virgines que secuntur agnum quocunque ierit iube me computari. Fac eciam domine hanc cum ancilla tua misericordiam§ si aliquam in oculis tuis inveni gratiam ut in corde sponsi mei scilicet huius regis spiritum infundes gracie salutaris, quatinus despectis seculi huius vanitatibus et carnalibus illecebris mihi in castitatis proposito consenciat, ut ad te qui omnium bonorum dispensator es recto itinere perveniat." Sic orabat illa felix et vere beata et per maxillam currunt vbertim lacrimarum fluvium, et a maxilla plorantis ascendunt lacrimae in conspectu divine maiestatis. Exaudita est enim oracio eius, sicut postea rerum probavit eventus.

* This may mean that the necessity imposed on man by the compelling grace of God produces reward.

† S. Luke i., 27. ‡ Apoc., xiv., 4. § Esther, vii., 3.

it is written that 'voluntary action incurs punishment and external constraint produces a crown.' For I have faith in God that he will regard the lowliness of His handmaiden, and will not suffer the guards of my virginity to be violated, nor will ever remove me from the chaste embraces of his love. For nothing is impossible with God. Therefore, my Lord and spouse is strong to preserve me uncorrupted for Himself even in matrimony; and although I wed anyone after the law of men, yet nevertheless he is able to keep me inviolate for Himself."

The third Chapter.

Having therefore heard the reply of the virgin, the most serene king Ina announces to the king of the Northumbrians that at length the virgin's mind is bent to agreement, and bids him wed her on a stated day as befits his royal nobility and the custom of his people. On hearing this, the king of the Northumbrians rejoiced with a great joy beyond what words can express, for he burned with exceeding desire for the maiden. And so after the lapse of no great length of time the day fixed for the nuptials is at hand; and the blessed maiden Cuthburga is betrothed to the king of the Northumbrians. And when the nuptials are being celebrated with royal state and all the nobles of that province were present at the great ceremony and were offering their congratulations, the blessed virgin Cuthburga went apart alone to her chamber and is said to have prayed to the Lord in words such as these: "Lord Jesus, ruler of all creation, incline favourable ears to the prayers of thine handmaiden. O good Jesu, giver of chastity and sanctifier of virginity, hear, I pray, the supplication of my sinful nature and let my prayer ascend before Thy majesty. Thee alone, O Lord, have I chosen for my spouse; to Thee have I given myself entirely from my youth up; Thou hast been my delight above all things. Preserve, O Lord, that which is Thine; keep for Thyself what is part of Thee; deign to call me Thy spouse. Suffer not my body which is Thy temple to be stained with any carnal corruption, nor any loss of my spotless virginity to be inflicted upon me. But bid me to be numbered amongst the virgins which follow the Lamb whithersoever He goeth. Have also this mercy upon Thine handmaid, if I have found any favour in Thy sight, and pour into the heart of my spouse this king a spirit of saving grace, so that putting away the vanities of this world and the snares of the flesh, he may consent to my purpose of chastity, and come to Thee, who art the giver of all good, by a straight road." So prayed that blissful and truly blessed maiden, and rivers of tears ran plenteously down her cheeks, and from her cheek the tears of her weeping ascended to the presence of divine majesty. For her prayer was heard as the future events showed.

Capitulum quartum.

Interea vero rex et omnis familia in aula regia com magna exultacione et hillaritate convivabant, et tocius provincie primates cum senibus et iunioribus pari assensu et voluntate tante solempnitatis festine et iocunde congaudebant. Cum iam totus dies in tali gaudio et leticia expediretur noxque superveniens dormiendi requiem hortaretur, rex letus et hilaris subintrat cubiculum gemmatis cortinis et regalibus diviciis adornatum, desiderans cum sponsa mortalium more consuetum habere consorcium. Et cum essent in cubiculo soli, beata Cudberta opportunum sibi considerans tempus loquendi talis (*sic*) fertur verbis regem et sponsum suum affari. "Amantissime hominum et dulcissime mihi super omnes filios mortalium, quamvis excellenti sis peditus ingenio et super modernos reges litterarum eruditus sciencia, ne indigneris queso si loquatur tibi sponsa et ancilla tua. Scriptum quippe est,¹ Libenter suffertis insipientes cum sitis ipsi sapientes. Et alibi,² sit omnis homo velox ad audiendum. Ergo si aliquid fortassis dixerò quod salutis tue maiestatis fore cognoveris necessarium, ne cun(e)teris libenter verbis meis prebere assensum. Omnium creaturarum dei naturale et proprium est creatorem suum diligere super omnia, et tocius rationis ordo poposcit non solum malis sed eciam bonis rebus meliora preponere. Deum ergo qui super omnia bonus est, super omnia desiderandum esse necessario inferri potest. Set Scriptura dicit, ³ Nemo duobus dominis servire potest. Quibus ? Deo scilicet et mundo. Inde scriptum est, ⁴ Quicumque voluerit esse amicus huius mundi inimicus dei constituitur. Idecirco Paulus admonet dicens ad Timotheum discipulum suum scribens ⁵ Precipe divitibus huius seculi non . . sperare in incerto diviciarum. Et alibi, ⁶ Carnis curam ne feceritis in desideriis. Quid ergo ? Simus in hoc seculo ⁷ tanquam nichil habentes et omnia possidentes, ⁸ et utamur hoc seculo tanquam non utentes. ⁹ Serviamus domino in timore perseverantes in corporis castitate et cordis puritate, nulla carnis corrupcione polluamus corpus nostrum, ut sancti spiritus mereamus effici sacrarium.

Capitulum quintum.

Audiens hec rex tantam verborum in beata virgine miratur prudenciam, et talem fertur protulisse responcionem. Universa que loquendo persequeris sponsa dulcissima cognosco te prorsus veraciter deseruisse (*sic*); nec aliqua possunt contradici racione. ¹⁰ Qui

¹ 2 Cor., xi., 19.² S. James, i., 19.³ S. Matt., vi., 24.⁴ S. James, iv., 4.⁵ 2 Tim., vi., 17.⁶ Rom., xiii., 14.⁷ 2 Cor., vi., 10.⁸ cf. I. Cor., vii., 31.⁹ Ps. ii., 11, Servite (Vulg.).¹⁰ From Thomas Aquines.

The fourth Chapter.

Meanwhile the king and all his folk were feasting in the royal hall with great joy and gladness, and the chief men of the whole province with the elders and the young men were rejoicing merrily and happily in that great occasion with common consent and goodwill. And when now the whole day had passed in such pleasure and gladness, and the night coming on summoned them to the rest of sleep, the king, full of happiness and joy, enters the chamber adorned with begemmed hangings and royal wealth, desirous of having the accustomed intercourse with his bride after the manner of men. When they were alone in the chamber, the blessed Cuthburga, thinking this the fitting time for her to speak, is said thus to have addressed the king her spouse:—“O most beloved of men, and dearest to me of all mortals, although thou art endowed with excellence of understanding and art skilled in knowledge of letters beyond kings of the present day, do not be indignant, I beseech thee, if thy bride and handmaid speaks to thee. For it is written, ‘Ye suffer fools gladly though ye yourselves are wise.’ And in another place, ‘Let every man be swift to hear.’ Wherefore, if I shall say anything perchance that thou knowest to be necessary for the salvation of thy majesty, be not slow freely to give assent to my words. It is natural and proper for all God’s creatures to love their Creator above all things, and the whole scheme of reason demands that we should prefer the better not only to things which are bad, but also to those which are good. God, then, who is good above all things, it can necessarily be inferred, is to be desired above all things. But the Scripture saith ‘No man can serve two masters.’ What masters? God and the world. Afterwards it is written:—‘Whosoever willeth to be a friend of this world shall be accounted the enemy of God.’ Wherefore Paul admonishes us, saying in his Epistle to Timothy his disciple ‘Charge them that are rich in this world not to put their trust in the uncertainty of riches.’ And in another place, ‘Take not care for the flesh in its desires.’ What then? Let us be in this world ‘as though having nothing and yet possessing all things,’ and let us ‘use this world as though using it not.’ ‘Let us serve the Lord in fear,’ persevering in chastity of body and in purity of heart; let us pollute our body with no corruption of the flesh that we may deserve to be made the shrine of the Holy Ghost.

The fifth Chapter.

Hearing these things the king marvelled at so great a wisdom of speech in that blessed virgin, and is said to have made this reply—“All that thou hast spoken, my sweetest bride, I know that thou hast said with the utmost truth, and no reason can avail to refute it.

enim ad vite perfeccionem festinare desiderat proculdubio necesse est ut omnia que seculi sunt postponat et dominum sequendo* artam viam que ducit ad vitam incedere satagat. Sic enim salvator noster cuidam dixisse scribitur. † Si vis perfectus esse, vade vende omnia que habes et da pauperibus et veni sequere me. Set cum nupcias a domino mortalibus propter sobolis propagacionem concessas credimus, et ipsius salvatoris presencia sanctificatas evangelica auctoritate comprobamus. Ipse enim dominus Ihs salvator mundi evangelio teste nuceiis interfuit, ut eas approbare intelligeretur in eisdem nuceiis novo et inusitato miraculo aquam in vinum optimum mutavit. Paulus eciam apostolus doctor egregius per quem loquebatur deus dixit, ‡ melius est nubere quam uri. Et iterum, § Unusquisque habeat uxorem suam propter fornicacionem. Nulli igitur divinis iussionibus vel saluti humane contrarium videatur si vir uxorem ducat aut si mulier viro tradatur.

Capitulum sextum.

Ad hec beata Cudberta quasi subridens sic ut fertur responsit dicens. Verum est enim bone rex dominum et salvatorem nostrum nuceiis interfuisse et inibi potenti virtute de aqua vinum fecisse. Set tamen quantum nuceiis virginitatem preferat, aperte ostendit, quando beatam virginem mariam intemeratam sibi in matrem elegit, que prima se omnium feminarum deo virginem vovit. Et quamvis eam divina dispensacione josep desponsari permiserit, nullum tamen virginitatis detrimentum pertulit, set ante partum et in partu et post partum spiritus sancti abumbracione virgo intaeta permansit. || Sponsum eciam ipsarum nupciarum quibus salvator interfuit, ab ipsis nuceiis ut tradunt historie aspiracione interna abstraxit, et

* S. Matt., vii., 14.

† S. Matt., xix., 21, &c. ‡ I. Cor., vii., 9.

§ I. Cor., vii., 2.

|| I am indebted to the Rev. H. Pentin for the following note :—

“I cannot trace the source of the legend that S. John was the bridegroom at Cana in Galilee ; but it appears in the 15th century *Vita Christi*, given in Migne’s *Legendes*, and the conclusion is :—

“When they had supped, Christ called John, and said to him, ‘ John, leave thy wife and come after Me, for I wish to bring thee to a

For whosoever desires to hasten to the perfection of life, it is doubtless needful that he should put behind him all that is of the world, and, following the Lord, strive to go along the narrow way that leads to life. For so it is written that our Saviour said to a certain man :— “ If thou wilt be perfect, go sell all that thou hast and give to the poor, and come follow Me.” But as we believe that marriage has been granted by the Lord to mortal men for the propagation of children, so we prove on the authority of the Gospel that it has been sanctified by the presence of the Saviour Himself. For he, the Lord Jesus, the Saviour of the world, was, as the Gospel bears witness, a guest at a wedding ; and that it might be seen that He approved of marriage, at that very same wedding, by a new and unheard of miracle, He changed water into the best of wine. Paul the Apostle, also, that excellent doctor by whom God spake, said ‘ It is better to marry than to burn.’ And again, ‘ Let everyone have a wife because of fornication.’ To no one therefore should it seem contrary to divine commands or to human salvation if a man marry a wife or if a woman be given in marriage to a man.”

The sixth Chapter.

To this, so it is reported, the blessed Cuthberga answered with a smile :—“ True it is, O excellent king, that our Lord and Saviour was present at a wedding and there by His powerful virtue changed water into wine. But nevertheless He showed plainly how greatly He preferred virginity to marriage when He chose the blessed and unstained Virgin Mary for His mother, who first of all women devoted herself as a virgin to God. And although He suffered her by a divine dispensation to be espoused to Joseph, yet she endured no detriment of her virginity ; but, before the birth and in the birth and after the birth, she remained a virgin intact by the sheltering grace of the Holy Spirit. Also He withdrew by an inward inspiration the very bridegroom at the wedding where the Saviour was present, as the histories hand down, and caused him to continue a virgin free of all carnal

grander wedding than this, and that thou mayest know what it is, it is My passion.’ ”

“ There are, however, earlier references to the story that our Lord prevented John from marrying. Many of these are given under the title “ Johannes Herkunft ” in Lipsius’ *Die Apokryphen Apostelgeschichten und Apostellegenden*.

“ The identification of the bridegroom at Cana with “ Simon the Canaanite ” is the more widely accepted tradition. Lipsius deals with it in his Vol. III.”—J.M.J.F.

totius carnalis copule immunem perseverare virginem fecit, et in tantum eum dilexit, ut apostolus et evangelista effici mereretur, et discipulus ille quem diligebat Ihs vocaretur, et supra omnem creaturam divinitatis gloriam intueretur Cui enim salvator noster in cruce iam positus matrem virginem virgini commendavit, et discipulus virgo matri virgini deservivit, Considera igitur quanta sit gloria maiestatis, quanta excellencia virginitatis. Per eam beata maria super omnes feminas deo complacuit, per eam deus Johannem apostolum super omnes homines dilexit. Qui ergo conditori suo complacere et celesti regno excellentem gloriam obtinere desiderat, a facie ad faciem deum videre anhelat, cordis mundiciam et corporis castitatem conservare studeat.

Capitulum septimum.

Tunc vero rex preventus spiritus sancti presencia beate Cudburge respondisse dicitur in hec verba. Omnia quidem cognosco karissima vere esse que loqueris, et ceteris virtutibus candidam virginitatem si humilitati coniuncta fuerit precellere confiteor ut asseris. Sicut ergo ex tuis verbis colligi potest virginitatem tuam deo consecrasti, et ut mihi videtur virginem te permansuram proposuisti. Injustum est igitur me aliquam tibi contra tuam voluntatem vim inferre, et mentem tuam a tam sancto proposito revo(c)are. Nichil quidem amodo verearis neque timeas aliquam de hac re per me pati molestiam, set permitto tibi propositam tenere pudiciciam, concedatque tibi deus talem inchoate religionis habere perseveranciam, quatenus post huius vite peregrinacionem ad summe divinitatis merearis pertingere contemplacionem. Pro me eciam benignum Ihesum assiduis precibus interpellare non desistas, ut mihi sue spiritum dileccionis infundat quo imbutus omnes mundales paruipendam honores et divicias, et presentis vite superare queam illecebras quatenus* iuste et sancte vivens in hoc presenti seculo dei valeam consequi misericordiam in futuro. Ad hec verba beata virgo Cuthburga exultans in spiritu sancto magnas cepit gracias agere omnipotenti.

Capitulum octavum.

Impetrata itaque post aliquod tempus licencia felix et beata virgo Cuthburga, postposita et despecta omni imperiali gloria locum qui Wynburnia nuncupatur edificavit, ibique basilicam in honorem

* cf. Tit. ii., 12.

connection, and loved him so greatly that he was deemed worthy to be made an Apostle and Evangelist, and was called 'that disciple whom Jesus loved,' and beyond every created being beheld the glory of the Godhead. And to him our Saviour, when placed upon the cross, commended His mother, a virgin to a virgin, and the virgin disciple served the virgin mother. Consider, therefore, how great is the glory of majesty, how great the excellence of virginity. By it the blessed Mary pleased God beyond all women; by it God loved the apostle John above all men. Whosoever, therefore, desires to please his Maker and to obtain exceeding glory in the kingdom of heaven, whosoever pants to see God face to face, let him study to keep a clean heart and a chaste body."

The seventh Chapter.

Then the king, aided by the presence of the Holy Spirit, is said to have answered the blessed Cuthburga in these words:—"All that thou sayest, most dear one, I know to be true, and I confess that pure virginity, if it be allied with humility, surpasses the other virtues as thou dost claim. Wherefore, as it may be gathered from thy words, thou hast consecrated thy virginity to God, and hast determined, as it seems to me, to remain ever a virgin. It were unjust in me to bring to bear any force against thy will, and to recall thy mind from so holy a purpose. Thou needest from henceforth be afraid of nothing from me, nor fear to suffer any molestation in this matter at my hands; but I permit thee to maintain thy intended chastity, and may God grant thee such perseverance in thy holy enterprise that after the pilgrimage of this life thou mayest deserve to attain to the contemplation of the most high God. For me, too, do not cease to address kind Jesus with unceasing prayers that He may pour into me the spirit of His love, penetrated with which I may despise all worldly honours and riches, and may overcome all the snares of this present life, so that, living righteously and holily in this present world, I may in the world to come obtain the mercy of God." At these words the blessed virgin Cuthburga, rejoicing in the Holy Spirit, began to give hearty thanks to the Omnipotent One.

The eighth Chapter.

And so, after a certain space of time, the happy and blessed virgin Cuthburga, permission having been obtained, and every imperial glory being despised and cast away, built that place which is called Winburne, and there erected a basilica to the honour of the holy mother

sancte dei genetricis et perpetue virginis construxit. Cepit igitur in eodem loco venerabilis femina soli deo totis viribus deservire oracionibus nocte et die incumbere, elemosinis studium impendere, ad celestem patriam summo desiderio an(h)elare. Quis autem inter philosophos tam eloquens ut eius digne valeat angelicam describere conversacionem? Quis autem inter rhetores tam lingue potens qui dignis efferat laudibus admirabilem huius beatissime domine sanctitatem. Tenerum quippe et delicatum corpus multis affligebat inimicis, carnem macerabat ieiuniis, noctes et dies continuabat vigilias. Orabat sine intermissione, terram quidam corpore, set celum inhabitabat mente. Sacrificium deo spiritum contribulatum cotidie offerebat, in lacrimis et contricione cordis seipsam in conspectu domini mactabat, lugebat autem iam pro peccatorum remissione, set pro desiderio celestis patrie. Quicquid deo placitum est ad implere satagebat, ipsumque offendere quantalacunque eciam cogitacione precavebat. Erga dominum et homines erat humilis, ad omnes mansueta et mitis. Fama igitur tante bonitatis pervulgata circumquaque et tam vive suavitatis ubique disperso odore, ceperunt ad eam confluere puelle nobiles et matrone, que despecto seculari habitu et conversacione promittebant se velle regulariter cum beata Cuthburga deo militare. Quod videns virgo venerabilis supra quam dici potest gaudebat in domino, quia cernebat eas tam devote se deo mancipare obsequio. Factum est autem dei providencia ut plurima ibidem in brevi tempore advocaretur congregacio sanctimonialium; quarum unaquaque aliam zelo iusticia et religionis ad dominicum provocabat famulatum. Tunc vero sancta Cuthburga magis ac magis cepit in timore et amore dei proficere, et quasi nichil prius egisset, ad virtutum incrementa vehementer nitebatur festinare.

Capitulum novum.

Intelligens igitur post hec digniissima virgo deposicionis sue diem imminere, indesinenter cepit domino et sponso suo gracias agere, et importunis precibus lacrimis et gemitibus ipsum rogabat, ne diucius a dulcedinis sue complexibus eam fraudare permetteret. Videntes vero alie sanctimoniales femine sorores sue eam infirmari, ceperunt vehementer omnes unanimiter contristari, et pro incolumitate eius assiduus oracionibus altissimum deprecari. Dicebant enim omnes malle se mori, quam tanto thesauro destitui. Ipsa quippe omnes materno affectu nutrierat, foverat et quasi filias uteri sui dilexerat, et immortalis vite viam et tocius sanctitatis monstraverat. Conveniente

of God, ever-virgin. The venerable woman began in that place to serve God alone with all her strength, to call upon Him with prayers by day and by night, to give herself to the practice of almsgiving, and with very great longing to desire the heavenly country. Who amongst the philosophers is so eloquent that he can fitly describe her angelical conversation? Who amongst the rhetoricians is so gifted in speech that he can express with fitting praise the admirable sanctity of this most blessed lady? Why, she afflicted her tender and delicate body with many penances, she afflicted her flesh with fasting, and passed nights and days in watchings. She prayed without ceasing. She dwelt upon earth indeed with her body, but in heaven with her soul. Daily she offered up her afflicted spirit as a sacrifice to God, in tears and contrition of heart she offered herself up before God, she mourned for the remission of sins and through desire for her heavenly home. She made it her business to fulfil whatsoever is well pleasing to God, and she was careful not to offend Him even in the very least thought. She was humble before God and man, gentle and kind to all. The fame of her so great goodness was spread abroad everywhere, and the odour of such marvellous sweetness was spread all around, and noble maidens and matrons began to gather themselves to her, who, despising the ways and conversation of the world, professed themselves ready to serve God under a rule with the blessed Cuthburga. And when she saw this, the venerable virgin rejoiced in the Lord with inexpressible joy, because she beheld them so devotedly giving themselves over to the service of God. And so it came to pass, by the providence of God, that in a short space of time a very large number of nuns was collected there, each one of whom incited her fellow to the service of God in zeal for righteousness and religion. Then, truly, Saint Cuthburga began more and more to increase in the fear and the love of God, and, as though she had done nothing before, she earnestly endeavoured to hasten on to a growth in virtue.

The ninth Chapter.

After these things the most worthy virgin, understanding that the day of departure was at hand, began without ceasing to give thanks to her Lord and spouse, and besought Him with instant prayers, tears, and groans that He would no longer suffer her to be deprived of the embraces of His sweetness. The other nuns her sisters seeing that she was becoming weaker, all with one accord began to be exceedingly sorrowful, and with unceasing prayers to beseech the Most High for her restoration to health. For they all said that they would rather die themselves than be deprived of so great a treasure. For she had nourished them all with a mother's love, had cherished and loved them as if (they had been) the children of her womb, and had shown them the way of eternal life and of all happiness. And so, one day, the

itaque dierum circa eam tota sororis congregatione tali eas adhortari dicitur sermone. Videte karissime sorores, * videte vocacionem vestram quomodo caute ambuletis, cum timore et tremore vestram ipsarum salutem operamini, redimentes tempus quam dies mali sunt. Considerate quam fallax sit mundus quem corpore et habitu deseruistis, et ideo in egyptum vnde existis corde reverti me velitis, set omnia custodia cor vestrum custodite, quoniam ab isto vita procedit. Attendite cuius persone estis, cui sponso consecrate et sanctificate estis. Ipsi certe desponsate estis cui angeli serviunt, ad cuius nutum vniversa celestia et terrestria contremiscunt. Si igitur tanto sponso placere desideratis, necesse est ut eius legem et mandata sollicite custodiat, et que odit et prohibet cum omni diligencia precaveatis. Ipsum ergo dominum et sponsum vestrum super omnia amate, vosmet ipsa mutua caritate diligite, † honore vos invicem prevenientes ad eterne beatitudinis premia indesinenter suspirate. Ego autem iamdiu est quod ‡ dissolui cupio et esse cum Christo, set nunc adimpleri desiderium meum scio, quia iam mortis debitum me persolvere gaudio victura postmodum sine fine cum sponso meo dulcissimo. Vos autem quas mihi relinquo in presenti vita superstites satagite ut mei sitis per omnia imitatrices, et § que vidistis ex me hec agite et deus pacis erit vobiscum. Hiis auditis sanctimoniales femine a minima usque ad maximam ceperunt vehementer dolore plangere, gemere et facies suas lacrimarum rivulis rigare. Quas consolans beata sic ait Cuthburga: Nolite karissime sorores nolite propter discessum meum flere nec gemitibus vestris exitum meum aggravare. Non enim moriar set vivam quia modo de corruptione transibo ad immortalitatem, de miseria vado ad gloriam, de peregrinatione revertor ad patriam. Igitur si me diligitis successibus meis congaudet et transitum meum psalmis et canticis spiritualibus domino commendate, et corpusculo meo debita humanitatis officia persolvite. Sic est locuta signo dominice passionis undique munita et sacrosancta dominici corporis et sanguinis communione percepta pridie kalendas septembris migravit ad dominum, cui ab infancia devotum indefesse exhibuerat famulatum. Sepulta est autem condigno honore in eadem quam edificaverat sancte dei genetricis basilica, ubi meritis ipsius plurima facta sunt miracula et multa infirmantibus prestita sunt beneficia, claudis gressus, surdis auditus, cecis reddita sunt lumina, operante Ihesu Christi nostri misericordia, cuius maiestas et imperium permanet in infinita secula seculorum amen.

Explicit de sancta Cudburga virgine et regina.

* I. Cor., i., 26; Ephes., v., 15, 16; vi., 5; Phil., ii., 12.

† Rom., xii., 10.

‡ Phil., i., 23.

§ Phil., iv., 9.

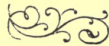
whole congregation of sisters being gathered round her, she is said thus to have exhorted them, "See, dearest sisters, see your calling, how ye should walk circumspectly, with fear and trembling working out your own salvation, redeeming the time since the days are evil. Consider how deceitful is the world which ye have left in body and in dress, and yet ye wish me to return to that Egypt from which in heart ye have come out. But guard your heart with every guard since from that proceedeth life. Mark ye whose ye are, to what spouse ye are consecrated and sanctified. Surely ye are betrothed to Him whom the angels serve, at whose nod all things tremble, both things which are in heaven and things which are on the earth. If, therefore, ye desire to please so great a spouse, it is necessary that ye keep carefully His law and commandments, and with all diligence are on your guard against what He hates and forbids. Him, then, your Lord and spouse, love beyond all things, be kindly affectioned one to another with mutual love, in honour preferring one another, aspire unceasingly to the rewards of eternal bliss. But as for me, I have desired to depart and to be with Christ; but now I feel that the fulfilment of my desire is at hand, for I rejoice to pay the debt of death that I may live thereafter for ever with my most sweet spouse. But ye whom I leave behind, my survivors in this present life, strive to imitate me in all things, and what ye have seen in me this do, and the God of peace will be with you." When they heard this the nuns from the least to the greatest began to be vehemently overcome with grief, to sob aloud, and to moisten their faces with streams of tears. But to console them the blessed Cuthburga speaks thus:—"Do not, dearest sisters, do not weep for my departure, nor make my death more difficult by your groanings; for I shall not die but live, for I shall pass now from corruption to immortality; I go from misery to glory; from a pilgrimage I return to my fatherland. Therefore, if ye love me rejoice in my success, and commend my passing to the Lord with psalms and spiritual songs, and pay to my vile body the rites due to humanity." So she spake, fortified on every side by the sign of the Lord's passion, and having partaken of the most sacred Communion of the Body and Blood of the Lord, she departed to the Lord on the last day of August, the Lord whom from her very childhood she had served devotedly and unweariedly. She was buried with fitting honour in the same church which she had built to the holy mother of God, where by her merits very many miracles were wrought and many benefits were bestowed on the sick; the power of walking was restored to the lame, hearing to the deaf, sight to the blind, through the tender mercy of Jesus our Christ, whose majesty and sway remain for ever and ever. Amen.

Here ends concerning Saint Cuthburga, virgin and queen.

In conclusion it should be stated that it is a matter of doubt whether the marriage of St. Cuthburga and her husband was ever really consummated or not, *i.e.*, whether they separated immediately after the religious ceremony, or whether it was not until after some years of married life. We have already seen that, interesting as this MS. is, it is valueless as historical evidence, seeing that it was not written until more than six hundred years after St. Cuthburga's death. The Monkish Chroniclers, almost without exception, compiled their histories some time after the Norman Conquest, or four centuries after the date of the marriage, and consequently had merely tradition, or some older chronicles to go by. William of Malmesbury (c. 1125) says that the connection was dissolved soon after marriage; Matthew of Paris (d. 1259) states that it was "during his life time;" Florence of Worcester (d. 1118) and Ralph Higden (d. 1363) affirm that "before the end of life both for the love of God separated." The *Acta Sanctorum* states that Cuthburga was espoused to the King of Northumbria, and "being released shortly after" became a nun, &c. The Anglo-Saxon Chronicle, under the year 718, chronicles the death of Ingild, the brother of Ina, and continues as follows:—"Their sisters were Cwenburge and Cuthburga. And Cuthburga built the monastery at Wimborne; and she was given in marriage to Alfrid, king of the Northumbrians; and they separated during his life-time." The Sarum Office Books, which, of course, would not be anterior to the last quarter of the eleventh century, commemorate her on the 31st day of August, and she is described in the Sarum Kalendar and Sanctorale as "a Virgin, not a Martyr."

This, however, at any rate, is certain, that St. Cuthburga was a Saxon Princess, the sister of Ina, King and Lawgiver; that she was married to Alfrid, King of Northumbria; and that by mutual consent she separated from her husband, either immediately after their marriage, or at some later period of their lives; that she embraced the Religious Life, and, after being trained at Barking, she founded the Monastery at Wimborne and ruled over it as Abbess. There she was

buried, if Leland is correct, in the north side of the presbytery, the body of King Ethelred, a century and a half later, being placed by her, though some time afterwards her body was translated to the east end of the high altar. The noble Minster of Wimborne, often spoken of as "the pride of Dorset," and "the glory of Wessex," which in its earliest days bore the name of the Blessed Virgin, at a later age was dedicated to St. Cuthburga; and by this designation it is still known.





Returns of Rainfall in Dorset in 1912.

By R. STEVENSON HENSHAW, C.E.



FROM the 70 returns which have been received this year I have selected 24 for the purpose of the averages and calculations contained in Tables 3 and 5, as against 20 such returns last year. The stations from which these returns have been sent are spread fairly equally over the whole county.

The average rainfall calculated from these 24 stations is 44·624 inches, with an average number of wet days of 199·7, whilst the average rainfall calculated from all the 70 stations is, I find, 44·418 inches.

1912, therefore, as far as Dorset is concerned, was wetter than any year since 1872, the ratio, as will be seen from Table 5, to the 57 years' average, 1856 to 1912, being 132, against 126·5 for 1903, the next wettest year.

However, taking England and Wales, or the British Isles as a whole, Dr. Hugh R. Mill has kindly informed me that 1903 was wetter than 1912 as 128 is to 121 for the former, and 128 to 115 for the latter, the relative values being expressed as a percentage of the average general rainfall.

It will also be seen from Table 5 that three years out of the last four have been considerably wetter than the average, and consequently, therefore, the average for the county has been raised.

The average rainfall for the past 57 years is 33·843 inches, whereas at the end of 1903 it was 33·753 inches. This raising of the average has the effect of lowering the ratio of each year to the average, as will also be seen from Table 5, the figures in brackets being the ratios previously given.

I was unable to go back farther than 1898, as I have no records beyond this year; but this information can be obtained, I think, from the appendix to that year's report.

August was by far the wettest month in the year, and will, I think, be long remembered by most of us.

The average fall during that month was 7·28 inches on 27 days; at some stations rain fell on 30 days.

April was by far the driest month, and at three stations no measurable rain fell. Taking the average, namely, ·11, it proved to be the driest month since February, 1891, when ·04 was the average of 34 stations. The wettest day generally appears to have been the 29th September, as it is so recorded at 36 stations, followed by the 16th January at 10 stations and the 17th August at six stations.

The 2·68 inches recorded at Swanage on the 29th September is the greatest rainfall recorded by any observer throughout the county, the observers at Parkstone and Branksome recording 2·38 inches and 2·20 inches respectively on the same day.

The maximum number of wet days was recorded at Broadstone, namely, 269; and the minimum of 138 days at Fleet House, Chickerell.

One inch, or more, was recorded on seven days at three stations, six days at three, five days at five, four days at seven, three days at 22, two days at 15, and one day at 11, whilst at two stations the rainfall appears not to have amounted to one inch on any day.

Referring to Table 3 we find that the month of May is the driest month in the year on the average of the past 57 years, and October the wettest month, the proportionate fall for the two months being 58·5 and 123 respectively.

In a large proportion of the returns sent in I have found errors which have simply been caused through incorrect

copying. It would be of great assistance, therefore, and save some considerable time if observers would kindly have their copies checked before sending them out, and I should be extremely obliged if in future they would do so.

OBSERVERS' NOTES.

ABBOTSBURY, NEW BARN.—The rainfall for the year, namely, 38·96, is 10·55 inches more than the average of the last 14 years.

BEAMINSTER, HAMILTON LODGE.—The Beaminster average for the 39 years ending 1911 is 37·79. The rainfall of 1912 (47·79) is therefore exactly 10 inches above the average. This fall, however, was exceeded by the 49·25 inches of 1903.

BROADSTONE.—The night temperatures were high in the Autumn, and the year wet and sunless, with very few thunderstorms.

BROADWINDSOR, BLACKDOWN HOUSE.—1912 was the wettest year I have known. I have kept a record since 1894.

BROADWINDSOR VICARAGE.—A little snow fell on the 1st and 3rd of February, and on the 19th of March. On the 4th and 8th of March thunderstorms with hail occurred, and a hail storm on 21st October at 6.45 p.m. A partial eclipse of the moon was very clearly visible on the 1st of April.

BUCKHORN WESTON.—3rd March—A very brilliant lunar rainbow at 5.30 a.m. 4th March—A very strong gale more or less all day, and at 2.30 p.m. a sudden and sharpish thunderstorm.

CHEDINGTON COURT.—On January 18th, at 9 a.m., the snow was 5in. deep, and lin. fell after that time; a rapid thaw set in on the 19th, and the snow was gone by the 20th.

The lowest temperature was 18° of frost on the 3rd February, and the highest 86° in the shade on July 16th.

No thunderstorms of any note were noticed during the year.

The wet month of the year was August, with 8·25 inches; the fall of 1·76 on the 17th August being the greatest for any 24 hours during the year.

The dry month of the year was September, no rain falling for 22 days, from the 6th to the 27th inclusive.

CHICKERELL, "MONTEVIDEO."—Feb. 2nd and 3rd—A few flakes of snow each day. May 12th—Thunderstorm, slight. June 21st—Thunder and lightning a long way off. July 13th—Lightning in evening. Sept. 29th—One flash of lightning and one clap of thunder. Oct. 1st—A distant clap of thunder heard. Oct. 12th—No rain, but there had been very heavy dews for several nights, which deposited a little water in the rain gauge.

In addition to the 211 days on which one-hundredth of an inch or more of rain was recorded, there were no less than 39 other days on which rain fell, but always in too small a quantity to be recorded.

CREECH GRANGE.—1·60in. of rain fell between 7 p.m. on the 23rd and 1 p.m. on the 24th of August.

Thunder and lightning, accompanied by rain and hail, at 10 a.m. on 26th December, and an exceptionally violent S.W. gale raged the whole day.

DORCHESTER, WOLLASTON HOUSE.—The total rainfall for the year, namely, 48·90 inches, is 13·10 inches above the recently calculated average for Dorchester—35·80 inches.

ST. GILES' HOUSE.—

Months.	Sunshine	Mean Temp.	Max.	Min.	Max. Sup.	Min. Grass.	Highest reading Bar.	Lowest reading Bar.
January ..	46	40·43	53	18	85	16	30·44	29·06
February ..	63	42·43	59	14	106	14	29·98	28·68
March ..	93	45·82	60	28	123	21	30·10	28·55
April ..	251	48·56	74	25	129	19	30·28	29·55
May ..	191	54·74	74	28	136	21	30·19	29·36
June ..	195·5	67·20	77	35	135	29	29·90	29·17
July ..	160	62·50	90	41	139	32	29·99	29·41
August ..	105	55·85	69	36	129	29	29·84	28·90
September ..	155	53·30	71	35	124	29	30·19	28·85
October ..	149	47·55	65	26	112	20	30·31	28·98
November ..	38	43·93	58	22	98	16	30·11	28·88
December ..	30	44·29	56	21	82	20	30·02	28·80

Mean Temperature for Year .. 49·764

Hours of Sunshine 1,472

A remarkably wet and sunless year. Compared with 1911 we had 600 fewer hours of sunshine.—W. E. AXFORD.

GUSSAGE ST. MICHAEL MANOR.—On January 17th .43in. of the .93in. collected was melted snow.

LITTLEBREDY.—January—A little snow on the 17th and 28th. April 17th—Eclipse in cloudless sky. November—Brilliant lightning between midnight and 1 a.m. on the 27th, in a sudden lull in the gale. 26th December—Thunder 7 a.m. and violent S.W. gale. Two hundred trees blown down.

EAST LULWORTH VICARAGE.—1912, with 45.33 inches, was wetter than any year during the last eight years, and exceeded the fall in 1909 by 6.37 inches.

The abnormal rainfall in August, 7.32 inches, fell in 24 days. The only other such excessive monthly totals in recent years are 7.93 in January, 1905; 10.02 in October, 1907; and 7.56 in October, 1909.

The first snow fell on January 18th. It is rather a curious coincidence that no rain was recorded on the 13th of any month excepting December (.05).

LYME REGIS.—December 26th—Commencing about 3.30 a.m., a violent storm occurred S.W. a little southerly, which reached hurricane force from about 5 a.m. to 6 a.m., and did considerable damage in Lyme Regis to roofs, chimney pots, &c., and lifting heavy window boxes from their places and dropping them into the streets. It continued, though much moderated, until noon.

PARKSTONE.—December 26th—Very rough day; lightning, thunder, rain, and hail stones as big as marbles; some I picked up measured two inches round.

EASTON, PORTLAND.—No measurable rain fell during April.

There were 200 wet days, and a further 29 days when less than .005in. fell.

STURMINSTER MARSHALL, BAILIE HOUSE.—3in. tube well, 50ft.; with a further 70ft. 1½in. bore unlined. Top of tube 1ft. above ground.

Weekly record of water from top of tube :—

1912.	1st.	8th.	15th.	22nd.	29th.
	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.
Jan.	4 4	4 1 $\frac{1}{2}$	4 5 $\frac{1}{2}$	3 3 $\frac{1}{2}$	3 6
Feb.	3 8	3 11 $\frac{1}{2}$	4 1	4 3 $\frac{1}{2}$	4 3 $\frac{1}{2}$
March	4 3 $\frac{1}{2}$	3 9	3 10 $\frac{1}{2}$	3 3 $\frac{1}{2}$	3 7 $\frac{1}{2}$
April	3 7 $\frac{1}{2}$	4 0	4 5	4 9	5 0
May	5 1 $\frac{1}{2}$	5 4 $\frac{1}{2}$	5 6	5 9	6 0 $\frac{1}{2}$
June	6 1 $\frac{1}{2}$	6 2 $\frac{1}{2}$	6 4 $\frac{1}{2}$	6 6 $\frac{1}{2}$	6 8 $\frac{1}{2}$
July	6 9	6 9 $\frac{1}{2}$	6 11 $\frac{1}{2}$	7 1 $\frac{1}{2}$	7 2 $\frac{1}{2}$
Aug.	7 2 $\frac{1}{2}$	7 1 $\frac{1}{2}$	6 11	6 1 $\frac{1}{2}$	5 6
Sept.	5 6	6 0	6 3 $\frac{1}{2}$	6 6 $\frac{1}{2}$	7 8 $\frac{1}{2}$
Oct.	7 8	7 3 $\frac{1}{2}$	7 6 $\frac{1}{2}$	7 7 $\frac{1}{2}$	5 9 $\frac{1}{2}$
Ncv.	5 3	5 7	5 10 $\frac{3}{4}$	6 1 $\frac{1}{2}$	5 9
Dec.	5 7	5 8 $\frac{1}{2}$	5 0 $\frac{1}{4}$	5 2 $\frac{1}{4}$	4 0

UPWEY.—A little snow fell on the 17th January, 4th February, and 19th March. Thunder was heard on the 11th and 12th of May, 22nd June, and 19th August; lightning being seen on 13th July. There were six days when more than lin. of rain fell.

WEYMOUTH, MASSANDRA.—With the exception of the year 1903, with rain 45·23 inches, this year, 1912, with rain 40·55 inches, is the wettest for the past twenty years. On three days, viz., January 27th, September 29th, and October 1st, I measured over one inch, the amounts being 1·37in., 1·30in., and 1·52in. respectively. Only three dry spells, 19 days from April 16th to May 5th, 24 days from September 4th to 28th, and 10 days from October 2nd to 12th. The temperature, with the exception of a cold period from January 28th to February 7th and a warm period from July 14th to 18th, was remarkably equable and mild. Vegetation in all forms flourished, gardens were most productive, in marked contrast to the year 1911.

WINTERBOURNE WHITCHURCH VICARAGE.—

JAN.—Up to the 25th the weather was very stormy and wet; the 16th was a particularly rainy day, 1·30in. falling in the 24 hours. Snow fell to the depth of 3in. during the night of the 17th. The highest temperature was registered on the 6th, 51° in shade; the lowest for the month, during the night of the 29th, 19°.

FEB.—The first week of month was very wintry ; on the 5th the temperature never rose higher than 28° all day. A very sudden thaw set in on the 6th, and the rest of the month was mild and wet. The max. temp. of the month occurred on the 28th, 56° ; the min. the night of the 2nd, 17° .

MAR.—An exceptionally wet month for March. There were no less than 20 wet days, and there was a complete absence of E. wind during the month—an unusual feature.

Max. temp. occurred on the 28th, 57° ; min., the night of the 19th, 30° .

APRIL.—A remarkably dry month, only 0.05 of rain registered.

Max. temp. of the month occurred on 21st, 69° ; min., the night of the 30th, 27° .

MAY.—Max. temp. of the month occurred on the 10th, 70° ; min., the night of the 2nd, 34° .

JUNE.—A cold, wet month, producing only eight fine days.

On the 22nd a rather heavy thunderstorm passed from S.S.W. to N.N.E. between 9.30 and 11 p.m. During the storm two cottages were struck and burnt down at Hammoon.

Max. temp. of the month occurred on the 22nd, 75° ; min., the night of the 2nd, 36° .

JULY.—With the exception of a brief spell of hot weather from the 13th to the 18th, the month was cold and damp, with 14 wet days.

The max. temp. of the month occurred on the 15th, 88° ; the min. the night of the 8th, 42° .

AUG.—This month will long be remembered for its clouds, its cold, and its continuous rain. There were only three days without rain throughout the month, and the rainfall for the month exceeded 8in.

The max. temp. of the month occurred on the 25th, 67° ; the min. the night of the 27th, 35° .

SEPT.—Very little rain fell till quite the end of the month, but the last three days produced 2.59in. of rain.

The max. temp. occurred on the 16th, 66° ; the min. the night of the 9th, 35° .

OCT.—Both day and night temperatures were much below the average throughout the month ; on no less than 15 nights did the temperature fall to or below the freezing point.

The max. temp. of the month occurred on the 10th, 61° ; the min. the night of the 4th, 25° .

NOV.—Heavy hurricanes occurred on 10th and 11th, 16th, and 26th.

Max. temp. of the month occurred on the 22nd, 55° ; the min. the night of the 27th, 22° .

DEC.—This month will be remembered for its remarkably mild character. On no less than 20 days did the thermometer reach 50° and above in the shade, and on the 28th at Bath the exceptional reading of 59° was registered.

On the 26th two rather heavy thunderstorms passed from S.W. to N.E. between 7 and 8 and 9 and 10 a.m., accompanied with heavy and large hail.

Max. temp. of the month occurred on the 28th, 54° ; the min. the night of the 1st, 22° .

N.B.—The thermometers from which the above readings are taken are Negretti and Zambra standard Kew-corrected instruments, placed in a Stevenson screen, $4\frac{1}{2}$ ft. above ground, on grass.



TABLE I.—DEPTH OF RAIN IN INCHES, 1912.

Station.	Observer.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Abbotsbury, New Barn	J. C. P. White, ..	5.64	2.97	5.36	.16	1.74	3.22	1.50	5.83	1.44	4.44	1.87	4.79	38.96
Ashtore Rectory	Rev. A. J. Reed ..	5.08	3.23	5.48	.24	1.20	5.37	3.75	10.80	2.70	5.28	2.40	5.55	51.08
Beaminstor, Hamilton Lodge	Fiennes Trotman ..	6.10	4.22	6.88	.12	1.63	4.51	2.38	7.68	1.54	5.10	2.10	5.63	47.79
Beaminstor Vicarage	Rev. G. C. Hutchings ..	6.01	4.26	6.88	.12	1.63	4.51	2.29	7.54	1.54	5.12	2.13	5.54	47.57
Bere Regis, Barrow Hill	A. Lucas ..	5.86	3.46	5.86	—	1.76	3.71	3.65	7.27	2.70	4.33	1.84	5.65	45.42
Bloxworth House	F. G. A. Lane ..	6.06	3.48	6.07	.06	1.85	4.40	3.68	7.24	2.67	4.88	2.15	5.87	47.88
" Rectory	Rev. O. Pickard-Cambridge ..	5.06	3.26	5.54	.05	1.93	4.40	3.83	6.96	2.55	4.41	1.85	5.00	44.84
Bradford Peverell House	Mrs. Middleton ..	6.63	4.34	6.68	.11	1.97	4.08	2.16	7.94	1.83	5.45	2.34	6.56	50.09
Branksome Gas Works ..	H. W. Woodall ..	5.37	2.68	4.23	.04	1.55	4.06	2.42	7.00	3.02	4.06	2.22	4.50	41.69
Bridport, Coneygar ..	Hy. Gordon ..	4.69	3.18	5.35	.12	1.66	3.77	2.16	6.49	1.42	4.14	1.63	4.93	39.54
Broadstone	F. W. Beckford ..	5.43	3.58	5.48	.14	1.80	4.82	2.84	7.54	2.38	4.65	2.20	5.18	46.04
Broadwindsor, Blackdown House	C. E. M. Pinney ..	6.34	4.66	7.53	.20	2.36	5.60	2.59	9.39	1.54	5.64	2.15	6.84	54.84
" "	Rev. H. M. Brown ..	5.81	4.99	7.54	.12	2.03	3.86	2.91	9.02	1.56	5.65	2.37	7.20	53.06
Buckhorn Weston	Rev. W. Hughes D'Aeth ..	5.38	2.50	4.51	.18	1.62	4.20	3.59	6.36	1.43	3.95	2.23	4.74	40.69
Charmminster, " Brooklands "	Capt. Dymond ..	6.69	4.19	6.41	.05	1.89	3.81	2.63	7.46	1.96	4.85	2.34	6.01	48.39
Cattistock Lodge	Major Egan ..	7.10	4.79	8.23	.09	1.50	4.54	2.82	7.77	1.80	5.29	3.22	7.04	53.69
Charlstock Vicarage	Rev. A. Lewis ..	5.64	4.01	6.68	.08	1.86	5.32	2.71	6.65	1.06	5.14	1.93	5.53	48.26
Charmouth, Leslie Cottage	M. E. Mills ..	4.39	3.22	5.44	.20	1.74	3.91	2.16	7.23	1.45	4.21	1.54	5.19	39.71
Chedington, Court	H. Birkinshaw ..	6.04	4.76	7.49	.15	1.47	4.42	2.48	8.25	1.55	5.14	1.93	5.77	49.46
Chickerell, " Montevideo "	Mrs. N. M. Richardson ..	5.53	2.67	4.83	.09	2.22	3.42	1.49	5.34	1.73	4.70	1.88	4.64	38.53
Corfe Mullen, Poole Waterworks	Rev. Sealy Poole ..	4.72	2.11	3.97	.10	1.95	3.51	2.04	5.08	1.54	4.10	1.67	3.85	34.64
Creech Grange	Waterworks Engineer ..	5.07	2.21	5.11	—	2.09	4.32	2.53	7.12	2.41	4.64	2.14	5.64	43.28
Dorchester Waterworks	J. W. G. Bond ..	6.51	3.65	5.15	.01	1.73	3.64	2.59	7.10	2.72	4.54	2.16	5.92	45.72
" "	H. D. Strange ..	6.26	4.08	6.53	.06	2.29	3.40	1.93	7.39	2.13	5.10	2.37	6.31	48.15
East Stoke, Binneagar House	Capt. J. Acland ..	6.32	4.03	7.06	.07	2.06	3.50	2.20	7.76	2.30	5.26	2.25	6.19	48.90
Gillingham	Lieut.-Col. Farrar ..	5.74	3.51	6.03	.02	1.57	4.35	2.83	6.26	2.92	5.39	1.94	5.29	43.85
Gussage St. Michael	S. H. Stephens ..	5.48	2.83	4.96	.13	1.60	4.39	3.27	6.71	1.60	4.16	2.00	5.04	42.47
Holme	Miss Ellen Good ..	5.23	3.23	5.00	.13	1.59	4.08	2.74	7.79	2.20	4.00	2.15	4.89	43.03
Fleet House	Mrs. C. E. A. George ..	5.93	2.83	5.19	.06	1.76	3.09	2.10	5.53	1.42	4.27	1.75	4.92	37.86
Horton Vicarage	G. D. Bond ..	5.33	3.23	5.63	.45	1.39	3.59	2.93	6.70	2.20	4.36	2.15	5.21	43.19
Iwerne Minster	Rev. G. Wellington ..	4.25	2.55	4.53	.11	1.52	3.59	2.84	7.34	2.08	3.52	1.69	4.08	38.10
" "	W. Nelsin, for Jas. Ismay, Esq. ..	5.27	3.23	5.68	.12	1.36	4.63	4.04	7.29	2.17	4.83	2.09	4.84	45.55
Kindon	W. Chas. Keevil ..	4.93	3.27	5.13	.62?	1.60	4.43	2.43	7.44	2.28	4.44	2.22	4.98	44.80
Leigh Vicarage	Rev. T. L. Jenkins ..	5.11	3.86	6.73	.15	1.11	4.35	2.80	7.59	1.51	4.98	2.33	5.97	46.49
Littlebredy Parsonage	Rev. A. C. Moule ..	6.91	4.27	6.07	.11	1.98	4.52	1.86	8.44	1.71	4.92	2.51	6.61	49.91
East Lulworth Vicarage	Rev. W. D. Philliter ..	6.04	3.39	.05	2.66	3.17	2.35	7.32	7.32	3.03	4.71	1.89	4.98	45.33
West "	Rev. W. Percy Schuster ..	5.36	2.84	5.91	.04	1.85	3.27	1.94	6.34	2.61	4.31	1.88	4.73	41.08
Lyne Regis	Tom G. Pulsford ..	4.39	3.88	5.88	.12	1.75	3.99	2.23	7.00	.62	4.56	1.32	5.62	41.36

TABLE I. (CONTINUED).

Station.	Observer.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Melbury House Gardens	R. Rintoul	5.72	4.01	6.80	.28	1.16	4.00	2.36	7.13	1.46	5.18	2.38	6.58	47.06
Milton Abbey Gardens	C. H. Perkins	6.82	4.27	6.80	.13	1.87	4.39	4.17	8.83	2.44	5.56	2.58	6.31	54.17
Parkstone	W. H. Sykes	5.33	2.71	4.34	.05	1.45	4.51	2.58	6.94	3.21	4.06	2.34	4.69	42.21
Portland, H.M. Naval Depot	Officer in charge of Works	5.47	2.81	4.02	.06	2.75	3.61	2.17	5.95	2.21	4.98	2.03	5.20	42.16
" Easton	R. Stevenson Henshaw,	5.06	2.59	4.66	—	2.14	3.53	2.04	5.14	2.33	4.88	1.84	4.94	39.15
Puddletown Vicarage	Rev. A. Helms	6.31	3.85	6.21	.08	1.67	4.00	2.57	8.12	2.27	4.86	2.32	6.21	48.47
Ranston	Sir R. L. Baker, Bart., M.P.	5.20	3.18	5.31	.08	1.37	4.16	3.37	7.05	2.19	4.73	2.18	4.55	43.37
St. Giles' House	E. Axford, for Earl of Shaftesbury	5.38	3.26	5.86	.09	1.70	4.32	2.39	8.32	2.21	4.41	2.18	5.37	45.49
Shaftesbury	Rev. F. Ehlers	4.02	2.34	4.40	.10	1.43	4.75	3.60	6.93	1.87	3.86	1.75	4.67	39.72
Sherborne Castle	Thos. Turton	4.95	2.80	4.93	.10	1.33	3.87	2.59	6.57	1.27	4.19	2.27	4.66	39.53
Sturminster Marshall	Rev. Jas. Cross	4.94	2.99	5.13	.12	1.79	3.93	2.74	7.65	1.99	4.28	2.00	4.94	42.50
" Newton	A. R. Hallett	4.63	2.58	4.62	.12	1.45	2.91	3.28	7.04	1.73	3.92	1.80	4.17	38.25
" Vicarage	Rev. Canon J. C. M. Mansel-Pleydell	5.07	2.75	4.79	.17	1.57	3.34	3.59	7.47	1.88	4.14	2.04	4.82	41.63
Swanage, R. Victoria Hotel	H. B. Vincent	5.06	2.58	3.62	.01	1.03	3.61	2.09	6.54	3.69	4.36	1.79	4.68	39.06
Trigon	Mrs. Leonard Sturdy	5.17	3.38	5.38	.08	1.55	4.05	3.03	5.97	2.82	4.17	1.69	4.48	41.77
Upwey, Portland Waterworks	R. Stevenson Henshaw,	6.53	3.22	5.07	.11	2.70	3.54	1.80	6.55	2.05	4.60	1.99	5.18	43.34
Wareham	S. W. Bennett	5.42	3.40	5.63	.08	1.46	4.07	2.79	6.53	2.58	4.08	2.19	4.00	43.13
" King's Barrow	L. G. Pike	5.21	2.89	5.56	.03	1.56	3.52	2.76	6.23	2.60	4.08	2.07	5.22	41.73
" Worret Hill	W. Sargent	5.79	3.17	5.07	.05	1.54	2.68	3.33	6.20	2.54	3.52	2.00	4.01	39.90
Warmwell House	Lord Wynford's	6.37	3.48	5.72	.08	2.50	3.49	1.69	7.72	2.61	4.98	2.01	5.97	46.62
Weymouth	Gardener	5.38	2.44	4.45	.08	2.79	3.16	1.70	5.21	1.90	4.52	1.70	4.54	37.87
" " Massandra	J. H. Bolam	5.89	2.70	4.69	.10	2.75	3.40	1.70	5.58	2.09	4.97	1.84	4.84	40.55
Wimborne, Godford House	H. W. Green	5.14	3.13	4.97	.11	1.63	4.12	2.70	6.80	2.26	4.32	2.15	5.00	42.92
" Roston	G. H. Batterbury, M.D.	4.87	3.25	4.97	.11	1.65	4.41	2.71	7.09	2.30	4.24	2.15	5.17	42.92
" Stonham	E. H. Widnell	4.73	2.73	4.38	.57?	1.59	4.29	2.68	6.86	2.28	4.17	2.04	4.93	41.25
" Westfield	H. J. Tuck	5.13	3.08	5.22	.13	1.60	4.19	2.65	7.84	2.23	3.33	2.09	4.97	42.46
" Gertrude, Countess of Moray	H. Stilwell	7.58	4.58	6.71	.09	2.06	4.02	2.56	8.50	1.72	5.35	2.27	6.71	51.85
Winterbourne Steepleton	S. Smart	6.25	3.76	6.32	.12	1.74	4.84	3.71	7.89	2.70	5.07	2.52	6.08	51.00
" Whitchurch	Rev. H. H. T. Rasset	6.01	3.41	5.64	.05	2.10	4.29	3.41	8.05	2.72	5.01	2.33	5.26	48.28
" Vicarage	Miss H. G. Williams	7.04	3.89	6.29	.06	2.50	3.36	1.98	7.23	2.24	5.26	2.31	4.64	48.60
Witchampton	Alice L. Homer	5.22	3.08	6.23	.10	1.77	3.88	4.11	7.26	2.40	4.20	1.49	4.99	43.83
Wynford Eagle	F. M. Walter	5.96	4.11	6.32	.14	1.60	3.85	2.05	7.20	1.65	4.48	2.24	6.45	46.05

* The averages have been calculated from the Stations marked with an asterisk.

TABLE II.—RAINFALL IN 1912.

Stations.	Greatest fall in 24 hours.		Days with in or more.	Number of Days on which '01in. or more was recorded.												
	Depth.	Date.		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Abbotsbury, New Barn	In.	1 Oct.	3	20	23	26	5	14	18	13	28	5	17	15	23	207
Ashmore Rectory	1.30	29 Sept.	3	24	22	25	3	7	17	20	28	7	19	20	28	220
Beaminster, Hamilton Lodge	1.83	17 Aug.	3	21	24	24	5	11	21	17	26	5	16	15	25	209
Beaminster Vicarage	1.43	17 "	3	20	23	24	5	11	21	17	26	5	15	16	26	210
Bere Regis, Barrow Hill	1.95	29 Sept.	3	18	24	23	—	10	22	17	27	5	15	10	22	193
Bloxworth House	1.81	29 "	3	21	24	23	2	9	22	15	25	6	14	14	22	197
Bloxworth Rectory	—	—	—	21	18	20	2	10	19	15	25	4	13	10	18	175
Bradford Peverell House	1.82	16 Jan.	4	19	20	22	3	10	15	14	26	6	14	13	22	184
Branksome, Gas Works	2.20	29 Sept.	2	20	22	21	2	10	19	16	28	3	19	11	22	193
Bridport	0.99	16 Jan.	0	19	21	23	4	11	20	13	28	5	15	11	22	192
Broadstone	1.43	29 Sept.	2	23	24	26	10	16	27	23	30	10	29	23	28	269
Broadwindsor, Blackdown House	1.72	17 Aug.	5	22	26	24	6	11	20	18	26	7	18	18	26	222
Broadwindsor Vicarage	1.38	4 Mar.	3	19	26	24	2	10	15	17	29	5	17	16	21	201
Buckhorn Weston	1.49	17 Jan.	2	19	22	25	4	13	21	18	26	5	16	19	24	212
Charminster, "Brooklands"	1.40	16 "	5	18	17	20	2	10	15	12	27	5	13	10	21	170
Cattistock Lodge	1.60	17 Aug.	5	20	21	26	3	10	20	17	30	6	16	17	26	208
Chartstock Vicarage	1.49	27 Oct.	3	20	23	24	5	10	21	17	28	6	16	15	24	208
Charmouth	0.97	23 Aug.	0	19	22	26	6	13	20	16	27	6	16	15	26	213
Chedington Court	1.76	17 "	5	20	23	25	6	14	19	12	28	5	16	15	26	211
Chickwell, "Montevideo"	1.45	1 Oct.	2	21	24	25	6	10	18	13	25	5	18	8	22	179
Chickwell Rectory	1.25	1 "	3	17	19	20	4	10	18	13	25	5	18	8	22	179
Corfe Mullen	1.79	29 Sept.	4	16	13	19	—	6	21	14	24	2	13	8	19	155
Crech Grange	1.60	29 "	7	15	20	19	1	8	18	8	26	4	13	10	21	163
Dorchester Waterworks	1.25	20 "	4	13	22	25	3	11	18	10	27	5	13	9	21	185
Dorchester, Wollastone House	1.29	29 "	7	20	22	27	4	10	17	15	26	5	14	11	23	192
East Stoke, Binnegar Hall	1.81	29 "	2	18	19	20	1	10	20	12	28	4	15	6	23	176
Gillingham	1.25	17 Jan.	2	19	21	25	4	13	23	22	28	7	17	16	22	217
Gussage St. Michael	1.37	29 Sept.	1	16	21	23	3	8	20	19	27	5	16	14	23	195
Holme House	1.35	16 Jan.	3	16	18	21	2	5	9	7	21	5	9	7	18	138
Holme Vicarage	1.37	27 July	2	14	20	19	2	8	19	15	25	3	15	11	19	170
Horton Vicarage	1.49	29 Sept.	1	19	22	26	4	10	23	20	29	4	19	15	21	212
Iwerne Minster	1.35	29 "	4	19	21	24	4	11	19	16	29	7	18	17	23	208
Kinson	1.35	—	—	18	22	26	5	11	22	20	29	5	17	15	23	214
Leigh Vicarage	1.13	16 Jan.	3	21	23	22	3	10	20	18	27	5	17	13	23	202
Littlebrey Parsonage	1.29	16 "	7	18	20	26	5	11	15	13	28	5	14	10	22	187

TABLE II — (CONTINUED).

Stations.	Greatest fall in 24 hours		Days with in. or more.	Number of Days on which .01in. or more was recorded.												
	Depth.	Date.		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
East Lulworth Vicarage	In.	29 Sept.	4	15	18	19	2	14	18	10	24	4	14	10	21	169
West Lulworth Vicarage	1.78	29 "	3	17	17	20	1	6	16	7	23	5	16	11	20	159
Lyne Regis	1.10	23 Aug.	1	18	20	22	3	7	20	14	25	4	14	12	24	183
Melbury House	1.52	17 "	3	18	18	20	3	9	16	17	28	6	15	8	24	182
Milton Abbey Gardens	1.54	29 Sept.	6	22	23	27	4	12	21	18	30	7	17	20	23	224
Parkstone	2.38	29 "	2	19	22	21	1	9	18	16	29	4	15	13	21	188
Portland, Breakwater	1.31	29 "	4	18	20	25	3	14	18	12	27	5	17	14	21	193
Portland, Easton	1.31	29 "	3	19	22	24	0	13	17	14	29	5	19	14	24	200
Puddletown Vicarage	1.50	29 "	3	20	19	24	1	8	14	16	28	5	14	9	22	194
Ranston	1.25	29 "	3	20	19	21	1	1	8	18	27	4	15	13	23	178
S. Giles' House	1.55	29 "	1	19	21	24	3	8	20	18	27	7	15	14	23	195
Shaftesbury	1.12	29 "	2	19	19	26	3	11	21	19	27	4	15	13	23	205
Sherborne Castle	1.37	17 Jan.	2	21	21	24	3	11	21	16	27	7	16	12	24	207
Sturminster Marshall	1.19	29 Sept.	1	18	23	23	2	7	23	18	26	4	15	14	21	193
Sturminster Newton	1.23	17 Jan.	3	19	20	22	2	7	19	15	28	6	15	15	20	187
Sturminster Newton Vicarage	1.30	17 "	3	20	20	25	3	8	19	16	27	7	16	12	22	195
Swanage, R. Victoria Hotel	2.68	29 Sept.	2	17	21	23	1	9	15	15	27	6	16	12	22	184
Trigon	1.87	29 "	2	20	20	24	4	8	20	15	29	5	13	9	23	185
Upwey, Portland Water Works	1.63	16 Jan.	6	19	23	24	4	11	19	15	29	6	21	15	21	207
Wareham	1.58	29 Sept.	2	17	22	23	3	11	19	15	28	4	17	14	24	198
Wareham, King's Barrow	1.55	29 "	1	16	18	21	2	6	19	11	25	3	12	8	20	161
Wareham, Worgret Hill	1.62	27 July	3	20	23	25	4	9	14	12	28	8	16	17	24	200
Warnwell House	1.67	29 Sept.	3	20	22	24	5	11	22	15	29	5	14	15	23	205
Weymouth	1.29	1 Oct.	3	19	21	23	4	12	16	12	27	5	15	15	23	192
Weymouth "Massandra"	1.52	1 "	3	19	21	25	5	12	20	14	26	5	17	14	23	201
Weymouth, Godford House	1.44	29 Sept.	1	19	22	23	3	11	23	20	28	6	22	18	24	220
Wimborne, Royston	1.47	29 "	1	17	19	22	3	8	22	19	29	6	16	15	22	201
Wimborne, Stoneham	1.57	29 "	1	19	17	21	5	9	20	17	26	5	22	12	21	194
Wimborne, Westfield	1.45	29 "	1	16	15	22	3	7	17	15	22	4	10	7	20	158
Wimborne, Steepleton	1.78	16 Jan.	6	23	24	28	4	12	17	16	26	7	17	15	23	214
Wimborne, Whitchurch	1.68	29 Sept.	4	19	22	22	4	10	21	16	27	7	17	11	22	201
Wimborne, Whitchurch Vicarage	1.78	29 "	3	19	22	22	4	10	20	14	24	5	15	9	19	165
Wimborne, Whitchurch	1.86	29 "	3	17	19	20	3	10	16	11	22	5	15	7	20	171
Wimborne, Herringston	1.51	16 Jan.	5	17	18	20	3	10	16	11	25	4	15	9	19	165
Witchampton	1.55	29 Sept.	1	18	17	22	1	8	19	15	25	4	15	7	20	171
Wynford Eagle	1.12	16 Jan.	2	19	21	25	5	11	18	17	28	7	14	20	25	210

* The averages have been calculated from the Stations marked with an asterisk.

TABLE III.—AVERAGE MONTHLY RAINFALL.

	1912.			57 years, 1856-1912.		
	Average of 24 Stations marked *	Proportionate fall (a). Difference from 57 years average (b).		Days of .01 in. or more.	Proportionate fall (c). Do. corrected for inequality of days (d).	
		(a)	(b)		In.	(c) (d)
January ..	5·61	126	+ 30	19·4	3·24	96 94·5
February ..	3·33	75	+ 1	21·3	2·52	74 77·8
March ..	5·57	125	+ 53	23·9	2·44	72 70·8
April ..	1·11	2	- 63	3·1	2·20	65 66·1
May ..	1·75	39	- 19·5	10·3	1·98	58·5 57·6
June ..	4·05	91	+ 25	19·2	2·25	66 67·6
July ..	2·72	61	- 7	16·0	2·29	68 66·8
August ..	7·28	163	+ 81·5	27·2	2·76	81·5 80·4
September ..	2·12	47	- 38	5·6	2·87	85 86·4
October ..	4·64	104	- 19	16·5	4·15	123 121·0
November ..	2·09	47	- 54	14·4	3·43	101 102·8
December ..	5·36	120	+ 10	22·8	3·71	110 108·2
Year ..	44·624	1,000		199·7	33·843	1,000 1,000

TABLE IV.—STATISTICS OF THE TEMPERATURE OF THE AIR, AND OF THE HUMIDITY AND AMOUNT OF CLOUD, AT WINTERBOURNE STEEPLTON MANOR AT 9 A.M. KEPT BY MR. H. STILWELL.

1912.	Temperature of the Air.							No. of Days. Tempre. at or below 32°.		Humidity of Air: Saturation = 100.	Cloud. Overcast = 10.
	In Stevenson's Screen.					On Grass.					
	Averages of			Extremes.		Average Lowest.	Lowest.				
	Highest.	Lowest.	Mean Daily.	Highest.	Lowest.						
	°	°	°	°	°	°	°	In Screen.	On Grass.		
January ..	44·7	34·7	39·7	52·1	20·0	32·5	14·0	11	14	94	7·9
February ..	47·3	36·1	41·7	54·9	17·0	33·4	12·2	9	13	95	8·4
March ..	51·1	40·3	45·0	55·1	32·5	38·0	26·0	—	9	91	8·3
April ..	57·4	36·9	46·7	68·8	27·0	33·2	21·8	8	12	76	4·1
May ..	60·9	43·9	51·9	69·0	30·5	40·1	26·0	1	6	81	6·4
June ..	62·6	48·8	55·2	70·6	38·4	44·9	32·0	—	1	84	8·5
July ..	67·6	52·7	59·6	86·0	39·0	49·0	33·8	—	—	82	8·0
August ..	61·3	48·8	54·7	67·0	36·5	44·7	31·0	—	2	85	9·3
September ..	60·2	44·0	51·7	67·6	31·4	38·3	24·8	1	2	80	6·2
October ..	55·3	37·2	46·0	61·0	26·0	32·6	20·6	12	18	92	6·3
November ..	49·2	38·0	43·6	56·8	25·0	33·6	21·0	7	14	88	8·1
December ..	50·1	40·7	45·6	54·0	22·4	37·5	15·8	3	7	92	8·6
Year ..	55·64	41·84	48·45	86·0 on 15 July	17·0 on Feb. 3	38·15	12·2 on Feb. 4	52	104	86·7	7·5

TABLE V.—FLUCTUATION OF ANNUAL RAINFALL.

57 years' average = 100.

Year.	Ratio.		
1898	79	(81)	
1899	88	(90)	
1900	103·5	(104)	
1901	89	(89·8)	
1902	87·5	(88)	
1903	126·5	(127·7)	
1904	102	(102·6)	
1905	79·5		
1906	100		
1907	98		
1908	81·5		
1909	110		
1910	117		
1911	92·5		
1912	132		

N.B.—The ratios previously arrived at are given in brackets for comparison.

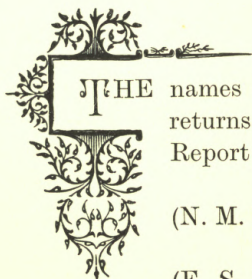




**Phenological Report on
First Appearances of Birds, Insects, &c.,
and First Flowering of Plants**

IN DORSET DURING 1912.

By **NELSON M. RICHARDSON, B.A.**



THE names of those who have this year sent in returns are as follows ; they are denoted in the Report by initials :—

- (N. M. R.) Nelson M. Richardson, Montevideo, near Weymouth.
- (E. S. R.) E. S. Rodd, Chardstock House, Chard.
- (W. H. D.) Rev. W. Hughes D'Aeth, Buckhorn Weston Rectory, Wincanton.
- (J. R.) Rev. J. Ridley, Pulham Rectory, Dorchester.
- (S. E. V. F.) Rev. S. E. V. Filleul, All Saints' Rectory, Dorchester.
- (E. F. L.) Rev. E. F. Linton, Edmondsham Rectory, Salisbury.
- (J. M. J. F.) Rev. Canon J. M. J. Fletcher, The Vicarage, Wimborne Minster.
- (E. E. W.) Miss Ellen E. Woodhouse, Chilmore, Ansty, Dorchester.

(G. R. P.)	G. R. Peck, Muston Manor, Puddletown, Dorchester.	
(W. P. C.)	W. Parkinson Curtis, }	Aysgarth, Parkstone
(E. H. C.)	E. Harker Curtis }	Road, Poole.

Messrs. W. P. and E. H. Curtis are new observers as far as this Report is concerned, and have sent in valuable and interesting notes on birds and insects. The former was the author of the excellent monograph of the Ringed Plover, which gained the Mansel-Pleydell Medal in 1906, and is printed at p. 188 of Vol. XXVII. of our Proceedings. Single notes from other observers will be acknowledged under their records.

NOTE ON FISH BY (W. P. C.) AND (E. H. C.).

Taken 15 Nov., 1912, in Holes Bay, Poole Harbour, by Mark Bolt and Fred Brown.

Orcus (Thynnus) thynnus. The short-finned Tunny—Length, 8 feet, nose to fork of tail; girth behind pectorals, 5ft. 1½in.; gape, 11in.; fins, pectoral, 16in.; dorsal, 9¾in.; lower caudal, 19¼in.; tail, depth, 7in.; anal dorsal, 17½in.; ventral dorsal, 8¾in.; anal fin, 12¾in.; weight (estimated), 850lb.

NOTES ON RARE AND OTHER BIRDS IN 1912.

HAWFINCH (*Coccothraustes coccothraustes*).—Six seen at Buckhorn Weston, July 12–20. (W. H. D.)

LESSER SPOTTED WOODPECKER (*Dendrocopus minor*) seen Sept. 8 at Pulham. (J. R.)

LAPLAND BUNTING (*Plectrophanes lapponica*).—The following note is copied from the "Field" newspaper at the end of April, 1912, to which it was sent by Rev. S. E. V. Filleul, who observed this rare species near Wareham. Its occurrence in Dorset does not appear to have been before recorded :—

LAPLAND BUNTING IN DORSETSHIRE.—On Jan. 30, whilst standing quietly in a rough field adjoining one of the

heaths near Wareham in Dorset, I noticed a strange little bird, something like a meadow pipit, feeding hungrily on the ground quite close to my feet. I called up a keeper to look at it, and we both agreed that it was a bird which we had neither of us seen before. I remarked that if it had been summer time I should have supposed it to be a reed bunting, the dark head being very similar to that common summer visitor. When I got home I found a figure of it in Morris's 'British Birds,' and there can be no doubt that it was a Lapland bunting. Its remarkable tameness is not an uncommon characteristic of this species, which, like the grey phalarope, comes from the uninhabited wastes of northern lands, and this peculiarity tends to confirm its identification, about which I have no doubt myself. If not a rare visitor, it is very rarely observed, and, as I believe that this is perhaps the first notice of its occurrence in Dorset, I think it worth while to send you this short account of it.—F." [In Mansel-Pleydell's "Birds of Dorsetshire," published in 1888, no mention is made of the Lapland bunting. It is an uncertain visitor in autumn and winter, usually found on or near the coast, and occasionally in large flocks. Seen oftener on the east coast of Norfolk and Lincolnshire, it is sometimes found in company with snow buntings.—ED.]

(This was mentioned Proc. XXXIII., 234.)

GRASSHOPPER WARBLER (*Locustella naevia*).—Colonel F. G. L. Mainwaring of Wabey House, Upwey, near Weymouth, sends the following note :—"I saw and heard a Grasshopper Warbler singing (very similar song to some of the Cicadæ I have heard in India) in a *Berberis* bush in our shrubbery yesterday between 4.0 and 5.0 p.m. A very shy bird : I could not get nearer than six yards to it." This species is also mentioned in Mr. Curtis' notes below. (See also Proc. XXXIII., 234.)

LITTLE AUK (*Mergulus alle*). Mr. B. Edmund Freame, of The Chantry, Gillingham, Dorset, sends the following note :—"A Little Auk was picked up near this place on Feb. 2nd. It is impossible to keep this Arctic bird alive in England,

apparently, and I believe the longest life at the Zoo has been but a matter of a few days. This specimen died during the night following its capture, and was given to me." (See also Proc. XXXIII., 234.)

SHOVELLER (*Spatula clypeata*).—This duck seems to breed regularly between Wool and Moreton. Two pairs nested in the meadows at Wool; one nest with five eggs was found on Apr. 20, probably the second attempt at nesting. The male bird appears to attend the female when she has her brood out, unlike the common Wild Duck. A brood of Shovellers was being disturbed by a little dog when the male bird came to the rescue and swooped down close to the dog, whilst the female fluttered away in the ditch. (S. E. V. F.)

The following interesting Bird Notes are contributed by Messrs. W. Parkinson Curtis and E. Harker Curtis:—

Ruticilla phænicuris (Redstart). Small company of about one dozen seen on migration at Knighton, Canford Estate. Sept. 15th, 1912. None were observed the day before and none a week later.

Acrocephalus phragmitis (Sedge Warbler) last seen Aug. 5th, 1912, at Poole Park.

Muscicapa grisola (Spotted Flycatcher) seen very frequently around Charmouth, June 30th to July 2nd. In the district of Poole and Morden heath lands, in fact anywhere on the sandy soil, it is not abundant.

Motacilla campestris, Sept. 8th, at Osmington, two seen keeping company with *M. lugubris* (Pied Wagtail).

Numenius phaeopus (Whimbrel). First downward migration, two seen in Poole Harbour, Aug. 25th, 1912.

Totanus hypoleucus (Common Sandpiper). First downward migration July 6th, 1912, Poole Harbour.

Arenaria interpres (Turnstone). Four or five seen on downward migration Aug. 10th, 1912, Studland Breakwater.

Vanellus cristatus (Peewit). First large autumn flock, 40–45, seen on Handley Down, near Cranborne, Dorset.

Athene noctua (Little owl). One juv. reported by Head-Keeper Wren, Break Hill Wood, Canford. Identity certain. [This appears to be new as a Dorset species.—N.M.R.]

Turdus merula (Blackbird). Feb. 3rd, 1912. A male, with a deal of white about it, making it look like a miniature magpie, has frequented the yard of Mr. Hiscock, builder, Longham. Three or four primaries were white on both wings, head and sides of neck white, crown black, the second or third outer tail feather was pure white, the wing coverts were white for the most part, and the markings were nearly symmetrical.

Feb. 3rd and Feb. 4th, 1912, brought in a very cold snap. The salt water lake at Poole Park was nearly frozen over, except for a little water that the birds had kept open. About mid-day on the 4th it blew a small blizzard from the N.E., and I took the opportunity of approaching the fowl. I noted about 10 Tufted Duck, about 10 Golden Eye, one or two Widgeon, 30 to 40 Pochard, and 600 to 700 common Coots.

Dendrocopus minor (Lesser spotted Woodpecker). Feb. 4th, 1912. One shot by a boy at Longfleet, who "thought it was a bullfinch devouring buds on a fruit tree."

Feb. 10th, 1912. One male *Linota rufescens* (Lesser Redpoll) seen at Cock Wood, Canford Estate; one *Turdus iliacus* (Redwing) seen at Break Hill Wood, Canford.

Feb. 5th, 1912. Two Hawfinches and one Hawfinch (*Coccothraustes coccothraustes*) seen near Poole. (The two were seen by T. Rigler, jun., and others at Sandbanks, Poole, and the one was seen by Canon Okes Parish at Longfleet Vicarage, Poole.)

Feb. 5th, 1912. Jesse Baker ("Sunbeam," of Poole) reports to us a large white falcon about the size of a Peregrine, which he watched for some time off Ballard Head. On cross-examination I assume that it must have been a *Falco candicans* (Greenland Falcon) driven south by the recent blizzard. (I do not offer identity as conclusive.)

Feb. 17th, 1912. *Turdus musicus* (Song thrush) in song at Break Hill Wood; *Perdrix cinerea* (Partridge), paired,

Canford, Dorset ; *Turdus viscivorus* (Missel thrush), paired, Canford, Dorset.

Feb. 18th, 1912. *Parus major* (Great Tit), in "song."

March 2nd, 1912. *Aegithalis vagans* (Ringed Plover) are still in parties, not yet paired, at Canford, Dorset ; *Columbus palumbus* (Wood pigeon), last seen in big flocks.

March 3rd, 1912. In the field between Bere Wood and Bloxworth were about 200 *Turdus musicus* (Song thrush) spread about with a few *T. viscivorus* (Missel thrush) with them. *Vanellus cristatus* (Peewit) were reported to me by the Woodman to have been "weeping" over their breeding ground for the past week.

March 9th, 1912. Break Hill Wood, Canford, Dorset. *Parus major* (Great Tit) and *Gecinus viridis* (Green Woodpecker) are paired.

March 10th, 1912. Paludum Bog, Bloxworth. *Gallinago caelestis* (Snipe). One pair observed at Bloxworth. I hear an unfortunate *Dendrocopus minor* (Lesser spotted Woodpecker) has been destroyed.

April 5th, 1912. *Turdus musicus* (Song thrush). Nest and two eggs. *Regulus cristatus* (Golderest), building. *Aegithalis vagans* (Ringed plover), not yet paired.

April 6th, 1912. *Turdus musicus* (Song thrush). Six nests (three with birds in nest, one nest and two eggs, one nest finished, one nest unfinished) on Handley Down, Cranborne, Dorset. About 25 *Turdus pilaris* (Fieldfare) seen in the tops of the tall beeches on Handley Down.

April 7th, 1912. At Break Hill Wood, Head-Keeper Wren saw a pair of *Scolopax rusticola* (Woodcock).

April 20th, 1912. *Asio otus* (Long-eared owl) seen at Canford. At Canford, *Phylloscopus sibilatrix* (Wood wren) first heard. At Canford, *Anthus trivialis* (Tree pipit) first seen,

April 21st, 1912. At Bloxworth, *Ruticilla phœnicurus*, (Redstart), one seen. At Bere Wood, *Daulias lusciniæ* (Nightingale), first heard. At Bere Wood, *Inyx torquilla* (Wryneck), first heard. At Bere Wood, *Turdus musicus* (Song thrush), juv. first seen out of nest.

April 28th, 1912. At Bere Wood, *Sylvia curruca* (Lesser white throat) first heard.

April 30th, 1912. At Canford, *Sylvia atricapilla* (Black-cap) seen and heard.

May 8th, 1912. At Canford, *Locustella naevia* (Grasshopper warbler), one seen.

May 5th, 1912. At Bere Wood. Nest of *Sylvia salicaria* (Garden warbler), structure finished, not yet lined.

May 11th, 1912. At Bere Wood, *Sylvia atricapilla* (Black-cap warbler) nest and one egg. A few days prior to this a gamekeeper at Bloxworth destroyed a very fine female of *Falco æsalon* (Merlin) and nailed it up on his gallows.

May 12th, 1912. Oaker's Wood, near Moreton, *Phylloscopus sibilatrix* (Wood wren) is by no means uncommon; at Bere Wood it is met with very sparingly.

May 18th, 1912. *Turtur turtur* (Turtle dove). Four seen at Canford, Dorset.

May 26th, 1912. A pair of *Coccothraustes coccothraustes* (Hawfinch), evidently nesting in Bere Wood. Bere Wood, *Caprimulgus europæus*, one flushed; but we did not search for nest, as we were too busy with insects.

May 27th, 1912. *Dendrocopos major* (Great spotted woodpecker) nested this year on the Canford Estate.

NOTES ON INSECTS.

By (W. P. C.), Poole.—As a lepidopterist I found the season a failure. The weather was about the worst in my recollection. The heavy rains in the spring, followed by a short spell of fine weather only, were most detrimental to the larvæ. The hot spell in May appears to have spoilt the birch stumps, and the death rate amongst the pupæ of *Sesia culiciformis* was abnormal. *Sesia cynipiformis*, on the other hand, suffered from the wet June and July. It commenced emerging in May, my earliest is 18th May, and continued to dribble out until the later end of August. Larvæ were exceptionally scarce, although *Sarothripus revayana* got to a second brood in September. *Hemaris fuciformis* continued

feeding till the end of September. We obtained a single larva of *Acronycta alni* at Canford. The only larva approaching abundance was *Dicranura furcula*, of which we obtained seven in September in the Poole District. One *Colias edusa* only came under my notice. My time was much curtailed this year. I only did night work in Cambridgeshire for 10 days in the middle of July, when both light and sugar paid well. I was unable to do any night work in Dorsetshire except in the late autumn, when nothing noteworthy was taken, although arbutus blossom paid well. *Campptogramma fluviala* occurred at Poole on 8th Nov., 1912.

GENERAL NOTES.

POOLE.—Portuguese man-of-war (*Physalia utriculus*) found washed up on Sandbanks, Poole Harbour, in March. (G. R. P.)

CHICKERELL.—A fine sun-pillar was seen on May 3rd about 7.30 p.m., lasting a quarter of an hour or more. It was of about the diameter of the sun, and extended vertically upwards to a height of 20° or 25°, becoming fainter near the top. The light of it was of a pale, yellowish colour. There were a few clouds on the actual horizon, so that the sunset was not visible, and the pillar emerged above them. It differed from ordinary bright rays in being the same breadth all the way up, and not in the form of a cone. The moon, also, when near the horizon shortly after 11.0 p.m., presented somewhat the same appearance of a vertical pillar above it, but shorter and less definite. Possibly had it been observed when rising, the phenomenon would have been more distinct. (N. M. R.)

CHARD (E. S. R.).—Very wet January, with floods; deep snow on 18th and 19th, which soon thawed. Very hard frost the beginning of February, 20° frost here, and skating everywhere for a week. The past five months, from November, 1911, to April, 1912, have been a remarkably wet, unsettled time, and farming operations are in a backward state. On April 17th I saw the eclipse of the sun from mid-day to

1 p.m. very well. I made several observations from Chardstock House. The day was cold and raw ; wind light, from N.E. ; cloudy. The eclipse was seen well between the breaks in the light clouds. The summer of 1912 beats any record for wet and cold and no sunshine ; 1879 was the last very wet summer, but not to be compared with 1912. Floods and wet in Dorsetshire, Somersetshire, Wiltshire, and Norfolk from May to September, 1912. A good deal of thunder and wind, abnormally cold and wet from May to September. [From Meteorological Notes from E. S. Rodd's Daily Journal of Natural History and County Events of 40 years' close observation at Chardstock House, Dorsetshire—1872 to 1912.]

The wettest August in England on record ; and much damage caused by floods, especially in Huntingdon and Norfolk. Fine cold September ; October was warm and bright ; lovely English autumnal weather up to 14th. Plenty of "Eddish" in the pastures everywhere. Partridges very patchy ; ditto pheasants ; hundreds drowned in the wet weather. Cubs very plentiful. Cows and calves high price, and more stock selling at good fair prices. Had my last dish of green peas on November 1st, grown in the open kitchen garden at Chardstock House. Potatoes not a good crop, but fairly sound. Roots fair, but no plant life has had sun or warmth enough this year, 1912. Apples and peas a fair crop, and abundant year for nuts and blackberries. Very few mushrooms, oddly enough, about here this wet season. Garden flowers have not done well, except sweet peas and begonias, which like much rain. I think the good nut and berry year may be owing to the wood in many trees and shrubs being thoroughly ripened during 1911, when we had a hot, dry summer. December 24th, 25th, 26th, 27th a heavy gale of wind from the S.W. and torrents of rain fell at times. Weather very mild ; I have not observed the barometer so low for a very long time. On Dec. 31st I saw a field of wheat in "stitch" near Yarcombe Village returning from hunting. The year 1912 kept its character up to the end, and ended in wet, mild weather.

PULHAM (J. R.).—On the whole a very wet year, but some intervals of drought. From Sept. 1st to 28th practically no rain—only slight drizzle on two or three days.

Thunder, March 5th ; on 8th, heavy peal ; May 12th, June 19th, 30th, a little ; June 12th, very violent for $1\frac{1}{2}$ hours, no rain ; July 4th, heavy ; 5th and Aug. 10th and 20th, slight ; Oct. 25th, a little. On Dec. 26th a furious gale, very heavy rains, few peals of thunder.

Snow, Jan. 12th, heavy, quite six inches deep. Some very sharp frosts.

Since the dry summer of 1911 squirrels have disappeared. They used to come to be fed at my windows. In adjoining districts, also, they have almost, or quite, disappeared. It would be interesting to know the cause. Was it want of water or disease ?

On last day of 1912 (and for many weeks previously) we could gather bunches of primroses. At end of year also there were white violets in bloom, and many lesser celandine. I never saw such a profusion of apple blossom and hawthorn blossom as in 1912. Leaves were lost in bloom.

Barometer reading : average for each month and for the year :—January, 29·295 ; highest, 30·2 ; lowest, 28·825. February, 29·285 ; highest, 29·82 ; lowest, 28·59. March, 29·431 ; highest, 30·0 ; lowest, 28·45. April, 29·89 ; highest, 30·15 ; lowest, 29·46. May, 29·63 ; highest, 30·02 ; lowest, 29·12. June, 29·53 ; highest, 29·84 ; lowest, 29·12. July, 29·62 ; highest, 29·87 ; lowest, 29·31. August, 29·451 ; highest, 29·85 ; lowest, 28·9. September, 29·837 ; highest, 30·12 ; lowest, 29·05. October, 29·497 ; highest, 32·6 ; lowest, 29·0. November, 29·17 ; highest, 30·07 ; lowest, 29·925. December, 29·58 ; highest, 30·025 ; lowest, 28·71. Average for the year, 29·518 ; highest, 32·6 ; lowest, 28·45.

Lists of the dates of First Appearances and First Flowerings are appended, as well as particulars of the prize exhibits of barley, wheat, and oats for 1912, furnished by Rev. James Cross, of Sturminster Marshall.

EARLIEST DORSET RECORDS OF PLANTS IN FLOWER IN 1912.

	Dorset.	N. M. R. Weymouth.	E. S. R. Chard.	W. H. D. Buckhorn Weston.	J. R. Pulham.	E. F. L. Edmond- sham.	J. M. J. F. Wimborne.	E. E. W. Ansty.
Wood Anemone ..	Feb. 29	Feb. 29	Ap. 1	Mar. 20	..	Mar. 16	Mar. 8	Mar. 8
Lesser Celandine (6)	Mar. 8	Mar. 16	Mar. 1	Feb. 11	(1)	Feb. 27	Jan. 13(3)	Feb. 16
Marsh Marigold	Jan. 13	Feb. 29	..	Feb. 23	..	Mar. 19	Mar. 11	Mar. 12
Meadow Lady's Smock	Feb. 23	..	..	Mar. 26	Mar. 30	Mar. 21	Ap. 3	Ap. 2
Garlic Hedge-Mustard	Mar. 21	..	..	Ap. 8	Ap. 6	Ap. 18	Ap. 13(4)	Ap. 17
Dog Violet (1st unscented Violet)	Jan. 13(4)	Mar. 30	April	Feb. 29	Mar. 23	Mar. 8	..	Jan. 12
Greater Stitchwort	Jan. 12	Mar. 27	..	Mar. 30	Ap. 13	Ap. 27	Mar. 15	Mar. 21
Herb Robert	Mar. 15	..	..	May 1	..	Ap. 27	Ap. 19	Ap. 21
..	Ap. 19	..	..	..	Mar. 30	..	..	Ap. 27
Horse Chestnut ..	Mar. 27	..	Ap. 7	..	..	..	..	Mar. 27
..	Ap. 22	Ap. 23	..	Ap. 26	Ap. 26	..	Ap. 22	Ap. 24
Bush Vetch	Ap. 13	May 18	..	Ap. 17	..	Ap. 13	Ap. 29	Ap. 30
Black Thorn	Jan. 11	..	..	..	..	..	..	Jan. 11
..	Mar. 2	Mar. 10	Ap. 6	..	Mar. 28	..	Mar. 22	Mar. 15
Dog Rose ..	Mar. 15	..	..	Mar. 24	..	..	..	Mar. 2
..	May 19	May 27	..	..	May 19	May 20	May 23	May 21
..	Mar. 5	..	..	May 22	Mar. 6	..	..	Mar. 5
Hawthorn	Ap. 25	..	May 8	Ap. 30	Ap. 29(5)	Ap. 25	Ap. 26	Ap. 28
Ivy ..	Sept. 5	Sept. 29	..	Sept. 5	..	Sept. 11	Sept. 30	Sept. 25
..	May 5	..	..	June 2	..	May 28	May 5	June 1
Dogwood ..	Jan. 7	..	..	Feb. 21	Feb. 24	..	..	Jan. 7
Elder ..	Ap. 28	..	..	May 21	May 12	..	May 10	May 20
Wild Tassel	Ap. 27	Ap. 23	..	July 5	..	July 25	June 27	July 15
Devil's-bit	July 27	..	..	Aug. 15	..	June 29	July 27	July 15
Knapweed	June 2	..	..	June 9	..	June 3	June 2	June 18

EARLIEST DORSET RECORDS OF PLANTS IN FLOWER IN 1912—(continued).

		Dorset.	N. M. R. Weymouth.	E. S. R. Chard.	W. H. D. Buckhorn Weston.	J. R. Pulham.	E. F. L. Edmond- sham.	J. M. J. F. Wimborne.	E. E. W. Ansty.
Field Thistle	{ L. .. F. ..	Feb. 22 June 12	June 14	..	Feb. 22 June 17	..	..	..	June 12 Mar. 25
Coltsfoot	{ L. .. F. ..	Mar. 25 Feb. 13	Mar. 14	..	Feb. 13	..	..	Feb. 15	Feb. 27
Yarrow	..	June 5	..	..	June 5	..	Mar. 10	June 8	June 18
Ox-eye Daisy	..	June 3	May 22	..	May 27	..	May 14	May 3	May 16
Mouse-ear Hawkweed	..	May 13	..	..	May 28	..	May 13	..	May 27
Harebell	..	June 27	..	..	June 11	..	July 13	June 27	July 14
Greater Bindweed	..	June 7	July 1	..	Aug. 2	..	..	July 7	July 11
Water Mint	..	July 26	..	..	Aug. 19	..	Mar. 24	July 26	Aug. 14
Ground Ivy	..	Mar. 19	Ap. 25	..	Mar. 19	..	Feb. 24	Mar. 25	Ap. 19
Hazel (female flowers)	..	Jan. 1	..	..	Jan. 8	(2)	Mar. 11	..	Jan. 9
Cowslip	..	Mar. 5	Mar. 30	..	Mar. 22	Mar. 5	Ap. 3	Mar. 25	Mar. 18
Bluebell (7)	..	Mar. 31	Ap. 7	Ap. 18	Ap. 2	Ap. 7	..	Ap. 15	Mar. 31

L. First leaf.

F. First flower.

(1) Many in flower at end of 1912 (J. R.). (2) In flower 12 days before Jan. 1, 1912 (J. R.). (3) Specimens found in flower on Dec. 23, 1912 (J. M. J. F.). (4) One specimen on Jan. 13. Another found by school children, Jan. 22 (J. M. J. F.). (5) Exceedingly plentiful (J. R.). (6) In flower Mar. 17 between Blandford and Cranborne (W. P. C.). (7) Fully out in Bere Wood, Ap. 27 (W. P. C.).

NOTES.—WEYMOUTH—*Viburnum lantana* in flower Ap. 12 (N. M. R.). BUCKHORN WESTON—*Viola canina*, first flower, Ap. 3. Spotted Orchis, May 24 (W. H. D.). BERE WOOD—5 primroses found Jan. 3 (W. P. C.). EDMONDSHAM—Mushrooms appeared this year in fair quantity during the latter part of May and the early part of June; but at the usual season the common mushroom was entirely absent, though many other fungi were as plentiful as usual (E. F. L.). WOOL—Marsh marigolds in bloom considerably in the Wool meadows during December (S. E. V. F.).

FIRST APPEARANCES OF BIRDS IN DORSET IN 1912.

[illegible]

FIRST APPEARANCES OF BIRDS IN DORSET IN 1912—(continued).

	Dorset.	N. M. R. Weymouth.	E. S. R. Chard.	W. H. D. Buckhorn Weston.	J. R. Pulham.	S. E. V. F. Dorchester.	E. F. L. Edmondsham.	E. E. W. Ansty.	G. R. P. Puddletown.	E. H. C. Poole.	E. H. C. Bloxworth and Bere Wood.
Cuckoo	Mar. 28 Ap. 10 May 5 (8)	(15) Ap. 20	.. 15 Ap. 15	.. 18 Ap. 18	.. 13 Ap. 13	Ap. 20	Ap. 18	Ap. 10 .. ..	.. ..	Mar. 28 Ap. 19	May 5 (8)
Swallow	.. .. L. July 31 F. Oct. 3	.. .. Ap. 15 (16)	.. .. .. ..	.. 11 Ap. 11 Oct. 3	.. 6 Ap. 6 Sept. 29	.. 15 Ap. 15	.. 18 Ap. 18 Sept. 11	.. 21 July .. Ap. 18	Mar. 31	Ap. 17 (9) Sept. 14 (5)	May 5
House Martin	.. .. L. Ap. 19 F. Oct. 4	.. .. .. ..	.. .. .. ..	.. 24 Ap. 24	.. .. .. ..	.. .. .. ..	Ap. 19 Oct. 4	.. .. .. ..	.. ..	.. ..	May 5
Sand Martin	Mar. 25 Ap. 26	.. .. .. ..	.. .. .. ..	.. 9 May ..	.. 4 May ..	Mar. 25 Ap. 26	.. .. .. ..	.. .. .. ..	Mar. 26 May 1	Ap. 27 May 5	May 5
Swift	.. .. S. May 5 L. Aug. 28	May 21 .. ..	.. .. .. ..	.. 28 Aug. 28	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. ..	Aug. 28 May 8 (5)	May 5
Nightjar	.. .. N. Aug. 17 (10) F. Aug. 29 (9)	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. ..	May 8 (10)	May 5
Turtle Dove	.. .. F. May 5 S. Mar. 2	.. .. .. ..	.. .. .. ..	May 28	May 13 .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. ..	Aug. 29 (9) May 18 (5)	May 5
Corncrake	.. .. L. Sept. 1 S. May 8	.. .. .. ..	June .. May 8	.. .. .. ..	Sept. 1 .. ..	.. .. .. ..	Mar. 2 .. ..	.. .. .. ..	May 5 May 5	.. ..	May 5

F. First seen. S. Song first heard. N. Nesting. L. Last seen or heard.

(1) Flycatcher last seen Aug. 25 at Lulworth (E. H. C.). (2) Nest with 3 eggs. (3) Nest with two eggs and 4 young (E. H. C.). (4) Wheatear last seen at Lulworth on Aug. 25 (E. H. C.). (5) In Break Hill Wood or elsewhere near Canford (E. H. C.). (6) Nest with 4 eggs (E. H. C.). (7) Sept. 8, at Osmington (E. H. C.). (8) Foster parents, Robin (E. H. C.). (9) At Wareham (E. H. C.). (10) Late nest Aug. 17 with 2 young in down at Studland (E. H. C.). (11) About 25 Fieldfares seen at Handley Down, Ap. 6 (E. H. C.). (12) 2 young ones (J. R.). (13) Have never been seen or heard here. (14) Nest with one egg. (15) Cuckoo seen on Ridgway, Ap. 18 (N. M. R.). (16) First swallow of pair building in cowhouse Ap. 15, not joined by mate until Ap. 28 (N. M. R.).

NOTES.—WEYMOUTH—Thrush singing vigorously on January 1; Missel thrush's nest finished on Jan. 18. Cuckoo singing at 1.30 a.m. on June 1, and other nights (N. M. R.). PULHAM—Thrushes and Woodpigeons singing during 1st and last weeks of the year; Missel thrush sitting March 26; Stock doves cooing March 7; Woodpigeons cooing on April 2, at 2.30 a.m. (J. R.). EDMONDSHAM—Wryneck, May 11 (E. F. L.). PUDDLETOWN—Common sandpiper, Ap. 8; Humbirds of Stockdoves during November (G. R. P.).

FIRST APPEARANCES OF INSECTS, &c., IN DORSET IN 1912.

	Dorset.	N. M. R. Weymouth.	W. H. D. Buckhorn Weston.	J. R. Pulham.	S. E. V. F. Dorchester.	E. F. L. Edmond- sham.	E. E. W. Ansty.	G. R. P. Puddletown.	W. P. C. (13)
Cock-chaffer	May 8	May 10	..	May 8	..	May 8	..	..	..
Glow-worm	July 3 (6)	..	..	July 3 (3)	..	July 9 (6)	..	..	..
Common Hive Bee (h)	Feb. 9	Mar. 29	Feb. 9	Mar. 6	..	Feb. 27	Feb. 10	..	..
Wasp (h)	Jan. 13	Mar. 19	..	Mar. 13 (4)	Jan. 13	(7)	Ap. 18	..	Ap. 20 (8)
Small White Butterfly	Ap. 9	Ap. 18	..	..	..	..	..	May 2	Ap. 21 (9)
Orange-tip Butterfly	Mar. 27	Ap. 25 (1)	Ap. 14	Ap. 19	..	May 9	Mar. 27	..	..
Meadow-brown Butterfly	June 11	June 25	June 11	..	..	..	..	..	..
Wall Butterfly	May 17	..	May 17	Mar. 27	..	..	..	..	..
Brimstone Butterfly (h)	Feb. 11	..	Mar. 23	Ap. 5	..	Ap. 3	Mar. 7	Mar. 27	Ap. 6 (10)
Peacock Butterfly (h)	May 1	..	Ap. 3	..	..	..	Ap. 7	..	Feb. 11 (8) (1)
Red Admiral (h)	Mar. 30	May 12	..	..	..	..	..	..	May 12 (11)
Painted Lady (h)	May 12	May 26	June 1	..	..	..	Mar. 30	..	May 12 (12)
Cinnabar Moth	May 23	July 12	June 23	..	..	..	..	..	May 12 (11)
Curant Moth	No record.	..	..	..	..	..	..	..	..
Viper (h)	Feb. 20	..	..	..	Feb. 20	..	..	..	..
Frog Spawn	..	..	..	..	..	..	..	..	..

(1) Unusually common. (2) Brimstone Butterfly at Chard, Ap. 7 (E. S. R.), at Stafford, near Dorchester, Mar. 27 (G. W. Floyer). (3) Uncommon at Pulham (J. R.). (4) Scarce. (5) Fresh specimen, Aug. 21 (J. R.). (6) Reported as seen some weeks earlier (E. F. L.). (7) From mid-April plentiful at Edmondsham (E. F. L.). (8) At Canford. (9) At Bere Wood. (10) At Cranborne. (11) At Marpits. (12) At Oakers Wood. (13) Queen wasps unusually abundant, but the wet weather seems to have destroyed them, as nests were very scarce. A large immigration of Painted Lady Butterflies in early May, with a large 2nd brood in Aug.-Sept. Red Admiral and Painted Lady Butterflies last seen on Sept. 21 at Canford (W. P. C.).

NOTES.—WEYMOUTH—Small Tortoiseshell Butterfly flying Mar. 25; Humble bee Mar. 15; Large white butterfly, Ap. 25. A clouded Yellow Butterfly seen on Ridgeway, Sept. 16. One also, earlier in the year, at Chickereil (N. M. R.). BUCKHORN WESTON—Large White Butterfly, Ap. 16 (W. H. D.). PULHAM—Humming bird moth, June 19, July 10, July 30; Small Tortoiseshell Butterfly, Mar. 13; Bloody-nose Beetle, Mar. 26. WAREHAM and WINFORTH—Clouded Yellow Butterflies seen in mid-September (S. E. V. F.). WAREHAM HEATH—The year closed with extraordinarily mild weather. Furze out in masses, and on Dec. 31 the hive bees were swarming over the bloom and loading themselves with pollen. Two Red Admirals were out and flying strongly (S. E. V. F.). ANSTY—Humming bird Moth, Ap. 22 (E. E. W.). CANFORD—*Hybernus leucophaea*, Feb. 18 (W. P. C.).

ANNUAL EXHIBITION OF MALTING BARLEY, WHEAT, AND OATS, BLANDFORD, 10th October, 1912.
Malting Barley, 50, 30, and 20 Quarters, First Prizes.

Exhibitor.	Grown at.	Soil and Sub-soil.	Crop 1911.	Crop 1910.	Seed.	When sown.	When cut.	Natural Weight per bus.	Quantity grown per Acre. Sacks.
Mr. H. H. Holloway..	Iwerne Minster ..	Flint with Chalk ..	Oats ..	Swedes	Danish Archer, 3 bushels	March 28	Sept. 6	..	8
Mr. W. K. Hooper ..	Winfrith ..	Sand and Chalk ..	Swedes..	Barley	Chevalier, 2 bushels	March 28	Aug. 12	54lb.	7½
*Mr. F. W. Bromfield	Walton Farm, Bridport	Stone rush and clay .	Mangold	Swedes	Garton's Standwell, 2½ bushels	March 4	Sept. 4	57lb.	10½

Wheat (White and Red).

* Mr. H. Standfield ..	Barford, Wimborne..	Light, Chalky Subsoil	Roots Fed.	..	Burgoyne Fyfe ..	Nov. 21	July 22	65lb.	
Mr. W. H. Vye ..	High Lea, Wimborne	Chalk and Loam ..	Clover	..	Webb's Red Standard 2½ bushels	Oct.	Aug.		

Oats (Black).

Mr. P. C. Tory ..	Shapwick Down ..	Chalk ..	Grass	Black Tartar, 4 bushels ..	Feb. 15	July 29	41lb.	16
-------------------	------------------	----------	----------	----	----------------------------	---------	---------	-------	----

* These Exhibits gained the Champion Prizes.



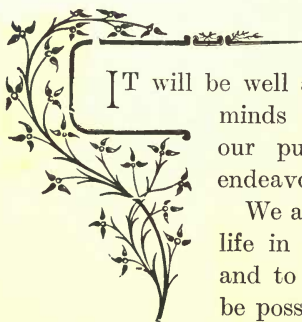
Roman Villas discovered in Dorset.

THEIR SITES AND THE RELICS FOUND THEREIN
WHICH THROW LIGHT UPON THE CIVIL LIFE OF THEIR
OCCUPANTS.

(Being the Mansel-Pleydell Prize Essay for 1912-1913.)

By the Rev. Canon T. E. USHERWOOD, M.A.

INTRODUCTION.



IT will be well at the outset to place before our minds as clearly as possible what it is our purpose in the following pages to endeavour to show.

We are to examine the relics of Roman life in Dorset which have come to light, and to learn from them, as much as may be possible, what was the condition of the civil life of those Roman visitors to these British shores, and the extent to which that civilisation which they introduced operated upon the less-civilised Briton with whom Rome now for the first time came in contact.

To the early Greeks *all* foreigners were "barbarians" without exception, and the term, originally Greek, was adopted by Rome, and under this name the Romans were

wont to class all who were outside the Empire, or beyond the pale of Greco-Roman civilisation.

This spirit is not altogether unknown amongst us at the present day. There is a strong tendency in the British mind to look down with some contempt upon all "coloured" persons. Yet many of these, as *e.g.* our Indian fellow-subjects, are frequently not inferior in intellect to the globe-trotter who too often despises them.

Amongst those whom we class as uncivilised there are undoubtedly many degrees. So no doubt it was in former years. It is a matter of comparison. Thus, in order to form a true estimate of the influence of Roman civilisation in Britain, we have to consider the state of civilisation to which each of the races now brought into communication with one another had then arrived.

I.—THE CIVILISATION OF BRITAIN.

It would almost seem as if the words of our own Thomas Hardy, addressed to the Dorset Field Club in 1884, had been in the mind of those who suggested for our study this year, "Roman Villas discovered in Dorset. Their sites and the relics found therein which throw light upon the civil life of their occupants."

It will not be out of place to quote a most inspiring passage from that address. Mr. Hardy says—

"It would be a worthy attempt to rehabilitate, on paper, the living Durnovaria of 14 or 1500 years ago as it actually appeared to the eyes of the then Dorchester men and women. . . . Standing on the elevated ground near where the South Western Station is at present, or at the top of Slyer's Lane . . . we may ask what kind of object did Dorchester then form in the summer landscape as viewed from such a point. Where stood the buildings? Were they small? How did the roofs group themselves? What were the gardens like, if any? What social character had the streets? What were the customary noises? Were the passengers up and down the ways few, or did they ever form a busy throng such as we now see on a market day? These are merely the curious questions of an

outsider to initiated students of the period. When we consider the vagueness of our mental answers to such inquiries as the above, we perceive that much is still left of this fascinating investigation which may well occupy the attention of the Club in future days."

Yes, these are indeed questions to set one thinking. Yet, even if we were able thus to see Durnovaria as it appeared in Roman times, there are further matters to be taken into consideration before we can justly estimate the influence which Roman civilisation exerted upon the ancient inhabitants of our beloved Dorset, the Durotriges.

We must try to ascertain something as to their mode of life, the kind of dwellings they occupied, the dress they wore, the tools they used, the arts and crafts they were acquainted with ; then we can better judge of their progress under Roman influence. It will assist us if we trace the history of those early years, from the first contact of Britain with Rome to the time of the final withdrawal of the Romans from our shores.

Some of our earliest information is found in Cæsar's Commentaries. His first expedition was made in 55 B.C. The conquest of Britain seemed to him a small matter. A few weeks of summer (*exigua parte æstatis reliqua*) were left, which he thought sufficient for the purpose ; but he found it a harder task than he anticipated. It was a "*terra incognita*" ; also he did not know his enemies' manner of fighting ; and so he sends C. Volusenus to explore. Representatives from some of the states arrive, promising submission ; after which Volusenus, who, by the way, never dared to leave his ship, returns to Cæsar and reports. Cæsar starts, and, we are glad to see, finds much difficulty in landing. In spite of their promises the Britons make a good resistance (*pugnatum est ab utrisque acriter*), but in the end submit, and Cæsar returns to Gaul, after having much trouble with his ships in the Channel.

His expedition in the following year, 54 B.C., meets with better success, and in his account of this campaign we learn

more about the ancient Britons. As an effect of these two raids the southern tribes of Britain were regarded at Rome as vassals of the Empire ; but had the Britons themselves been asked they might have told a different tale.

But our chief interest is to learn what Cæsar has to tell us about the people. We have seen they were good fighters ; another point on which we may claim kinship, a foreign enemy at the gate united tribes which before were unfriendly. He speaks of the inhabitants as numerous, and living in dwellings similar to those of the Galli. (By another author these are described as cabins made of brushwood—*virgeas habitant casas*.) He describes them as wearing their hair long, shaving all but the head and upper lip, and staining themselves with woad (*inficiunt vitro*). For money they used rods, of iron or copper, of a certain weight. He credits them, too, with being excellent charioteers, though he says nothing about the scythes fixed to the axles ; Pomponius Mela, the historian, seems to be the only authority for them, and as it is unsupported by any of the numerous discoveries that have been made, we may, I suppose, dismiss it as a myth. Having their horses under perfect control, they had the mobility of cavalry with the stability of foot-soldiers. The coast-dwellers he considered the more civilised ; those living inland did not sow corn, they lived on milk and flesh.

Nearly 100 years passed ere Rome took in hand the subjugation of Britain. It had been planned years before by the Emperor Augustus, but imperial matters occupied his attention, and it was left to Claudius, 43 A.D., to undertake the conquest. The Second Legion, under the command of Vespasian, afterwards Emperor, subdued the south and penetrated as far as Somersetshire. Within three or four years all south of the Humber was annexed, but fighting was continued in the highlands to the North and West till the end of the 2nd century.

Thus it is to the Lowlands, which were the first to settle down peacefully, that we must turn for scenes of civil life. Here it was that towns, villages, and country-houses would

be chiefly found. This would seem to be a chief reason why our county is so rich in Roman remains. Many an old Legionary soldier, his fighting days over, would be glad to settle down in this, now peaceful, neighbourhood, far removed from war's alarms. He was in close touch with the Empire, from which only a narrow belt of water divided him. And the Roman civil system encouraged it ; lands in a conquered territory would be given to old soldiers ; Roman citizenship was not lost ; we see Camulodunum made a "Colonia," Verulam a "Municipium."

Friendly intercourse would be established between Rome and Britain through the use which Roman generals made, as we learn from Tacitus, of British auxiliaries.

The Britons were also skilful boatmen. Their "Coracles" mentioned by Cæsar were a few years ago still to be seen on the Severn, though they are less common now. They are formed of canvas, tarred and pitched, stretched over basket-work ; they are light and easily carried. In these it is not unlikely that the fearless Briton may have crossed the Channel and traded with the Belgæ, and picked up something of Roman civilisation in those hundred years between Cæsar's raid and the final conquest by Rome. They also had their "Dug-outs," such as have been discovered in the lake-dwellings near Glastonbury.

But the mention of Glastonbury reminds us that in the Lake-Village (Crannog or Stockaded Island) discovered by Arthur Bulleid at the close of the last century, in the close neighbourhood of Glastonbury, we have an excellent introduction to the state of British civilisation just previous to the Roman occupation. The date is very accurately fixed by the relics which excavations of a very thorough nature have afforded. These are distinctly British, and pre-Roman ; anything of a later date was found in superficial strata, and therefore of later importation. Samian ware, an evident mark of contact with Rome, is conspicuous by its absence. No Roman coins have been discovered ; the only coin, of tin, is contemporary with the British coins of the beginning of the

Christian era ; and lastly, the “ Fibulæ,” or brooches, found are like the Gaulish brooches of Cæsar’s time. For all these reasons Dr. Munro, an expert, determines the date of this Lake-Village to synchronize with the date of Cæsar’s raid. The discoveries here are, therefore, of the highest importance in estimating the civilisation of the Briton at the time of the Roman conquest.

The accurate manner in which the squared logs were morticed together, to which our attention was drawn by Mr. Bulleid on the occasion of the D.F.C.’s visit, are most remarkable, and show a great knowledge of carpentry. The bronze “ Fibulæ ” show their knowledge of metal-work. Nor are these altogether devoid of ornament. Personal ornaments, too, are not wanting. But particular notice should be taken of the weaving combs which have been found in large numbers, made chiefly of red-deer antler, these proving without a doubt the knowledge of the art of weaving. Many fragments of frame-work, also, have been found, which presumably have formed parts of a loom ; so that we may consider the knowledge of weaving proved, although, from the nature of the case, no product of the loom has survived.

Another interesting find at Glastonbury is a lathe-turned wheel-hub. This, taken in connection with the skill shewn in morticing, proves the early Britons to have been not unskilled in carpentry and the allied arts and crafts.

Then as to their milling. We know they were agriculturists (British corn was exported to the Rhine valley in the 4th century) and grew corn, so it is natural to enquire how they ground it. Now sundry Querns have been discovered in various parts of the county ; one pair, from Portland, may any day be seen working in the Dorchester Museum ; another, found at White Staunton, is probably Roman ; then the upper part of a Quern was found at Bagber in a British Barrow in company with a coin of Vespasian ; that found at Tyneham is considered to be mediæval ; but the most convincing evidence of British milling comes from Hod-hill.

In an interesting address delivered to the Club at Hod-hill by Dr. Boyd Dawkins he describes his researches in that ancient British camp. He mentions the circular depressions which were noticeable. These he had discovered to be the bases of hut-dwellings, 6ft. to 7ft. in diameter. He had found the old hearths, the old utensils, and what is more to our purpose, the old Querns.

Next, as to the age of these finds. Dr. Boyd Dawkins was fortunate enough to find in one of the huts a perfect skeleton. Now, the skull is an index to the age in which its owner lived. Let us here briefly sketch the changes which have taken place in man during his habitation of this island. First, we have Palæolithic man, dwellers in the limestone caves, as at Brixham and Kent's Cavern, Torquay. Then the Ice-Age followed which swept him away, blotting him out, as it were, until he was discovered in our own time, buried under a bed of stalagmite which must have taken incalculable years to deposit. After this, followed what is commonly called the Neolithic Age, showing an advance in civilisation; his flint implements are better executed, he is an agriculturist, breeds cattle, lives no longer in caves, but in huts or houses, and in one point only seems inferior to Palæolithic man, in that he has apparently lost the art of drawing for which the cave-dwellers were distinguished. Probably he was non-Aryan. The Age of Stone is succeeded by the Age of Bronze, and that by the Age of Iron. Now both these Ages—the Bronze and the Iron—belong to the Celtic domination. There were two Celtic waves. The first of these is identified with the Bronze Age, and is known as the Gaelic; it advanced as far as Scotland and Ireland. The second is identified with the Iron Age, and is known as the Cymric; it advanced to the East and centre of Britain, probably driving the Gaels before them, their knowledge of iron giving them, perhaps, the advantage.

Now, how are these different races distinguished? Chiefly through their burial customs. The Neoliths buried in *long* barrows, the Bronze Age in *round* barrows; and the skulls

found in the one differ from the skulls found in the other.

The Neolithic men, buried in the long barrows, have Dolicho-Cephalic skulls; *i.e.*, the width from ear to ear is considerably less than the length from the eyes to the back of the head; whereas the Bronze-Age men have Brachy-Cephalic skulls; *i.e.*, square and strong, the width about 4-5ths of the length. Then as we pass from early to late Celtic, the transition being marked by the presence of iron objects, we notice that the skulls undergo modification, tending towards the Dolicho-Cephalic type, indicating, as it would seem, that Neolithic man had not been entirely extirpated, but that, on the contrary, he was much in evidence, and was tending to re-establish his type, as would be the case if Neolithic men were numerous.

We see, then, the immense value of such a find as a skeleton in these pit-dwellings at Hod-hill, as we are able through it to assert with some confidence that we are examining relics of the prehistoric age, and that querns were known before the Roman occupation.

The crucibles which the excavations at Glastonbury have brought to light show that our Celtic fore-elders were versed in Metallurgy, and many objects in iron and bronze, such as awls, gouges, nails, and portions of harness have been found. Weaving, too, presupposes spinning, and the evidences for this art are supplied by numerous finds of spinning-whorls, made both of tin and of lead.

II.—THE CIVILISATION OF ROME.

We have examined to some small extent the civilisation of our British forefathers; we must now proceed to examine the civilisation of Rome at the period under consideration, and this we are enabled to do in a very remarkable manner.

Anyone who has visited Pompeii will acknowledge the weird feeling that comes over one when traversing the streets of that ancient Roman town. Why, at any moment you

would not be astonished were an ancient Roman to confront you ! You expect to meet one at every corner you turn. The place is alive with memories. There you may see the life of Rome depicted ; the shops, the theatres, the temples, the private houses both of the wealthy and of the poor ; all has been preserved to us in the present day, having been buried in the ashes of Vesuvius for the last eighteen centuries. Now, as Pompeii was utterly destroyed by an earthquake in the year 63 A.D., and was at once rebuilt, and then, only 16 years later, was buried out of sight in the volcanic eruption of Vesuvius in August, 79 A.D., we have here an exact record of the civilisation to which Rome had attained at the time, or very shortly after, the Roman invasion of Britain.

The decoration of their houses exhibited the most refined taste. The walls were covered with frescoes or mosaics. What can we imagine more beautiful in the way of decoration than the frescoes on the walls of the house of the Vettii, the colours of which are as fresh to-day as when they were first painted ? The floors were inlaid with coloured mosaics, worked out in the most choice and elaborate patterns. A most beautiful example of Roman mosaic of about this period, or a little earlier, is to be seen in the museum "Alaoui," in the suburbs of Tunis. It has been removed there from Sousse, and it represents the "Triumph of Neptune." It is a noble piece of work, of splendid design, covering an immense area. But that which is considered by some to be the finest Roman specimen extant is one representing the "Battle of Issus." It was found at Pompeii in the "House of the Faun," being the floor of a sitting-room in the peristyle, an apartment probably used by the ladies of the family. In it Darius is seen flying before Alexander, who pursues him mounted on Bucephalus.

The relics found in Pompeii are both numerous and varied in character. There are articles of ladies' toilet, including the safety-pin which is still in use, combs for the hair, hair-pins, studs, &c. Articles in glass, such as wine glasses, tumblers, chemists' jars, also a beautiful specimen of glass, cut like a

cameo, representing a vintage scene. Then the surgical instruments, and the mathematical, denote a high advance in scientific knowledge. Also there are carpenters' and labourers' tools, as spades, hoes, &c. Kitchen utensils in bronze, *truellæ* for decanting and drawing liquids, colanders, &c., Amphoræ of all sizes. In short, almost every department of life is represented here, and shows the Roman to have been highly advanced in civilisation, though, possibly, there may be detected a decadence from the high state of art which Rome had received from Greece.

And nearly all these find their representatives in Dorsetshire. We are rich in mosaic floors, as any visitor to the Dorchester Museum is aware. Then there is the pavement discovered on Lenthay Common, now removed to the dairy at Sherborne, representing a sitting figure playing on a lyre with six chords, while a second figure is dancing and playing a double pipe united at the mouthpiece. Another was discovered at Fifehead Neville, and has been described and figured in Vol. XXIV., D.F.C. Again, there is the well-known "Venus pavement," now in the British Museum, which was found at Hemsworth, near Badbury, and about $\frac{3}{4}$ mile from the Via Iceniana, which connected Badbury with Old Sarum. This floor is about 16ft. by 12 $\frac{1}{2}$ ft. The pavement found at Preston is figured in Vol. XXI. of D.F.C. Proceedings. If we have no conspicuous object such as the Roman Baths of Uriconium, we have at least traces of the existence of such in the tiles and pipes which have from time to time been discovered. Flat clay, or pottery, tiles have been found at Thornford, and these may have been used for carrying hot air to the rooms, as at Uriconium. They would also serve the purpose of drain-tiles. In the same spot were also found roofing-tiles with, in some cases, the nails adhering. Tiles have also been found at Iwerne Minster, and at the East Farm, Bradford Abbas. The Thornford find has furnished us with knives and tools.

Passing on to ladies' dress, we find pins and brooches are common objects in our local museum, and special attention

may be drawn to the beautiful glass pins from the Roman cemetery at Fordington. These are described by Mr. Moule in "Dorchester Antiquities." A bronze hair-pin, with very delicate ornamentation, 9in. long, has been found in Dorchester. (Proceedings, Vol. IV.) From Thornford comes a fragment of an Amphora, besides sundry knives and tools. Roman beads have also been found. One, of exquisite blue glass, was found deep in the clay at Norden. Others, together with Samian ware, on the site of All Saints, Dorchester.

III.—PROGRESS OF CIVILISATION IN BRITAIN.

Having now reviewed the civilisation of the Briton and the Roman at the period under review, we are in a position to judge of the effect of Roman civilisation upon the Briton. Our enquiry, I think, should lead to the conclusion that the Briton had a good deal to learn from the Roman.

In the foremost place we should name the great advance made in their dwelling-places. Nowhere would the result of Roman civilisation be more self-evident than in the exchange from the rude, circular hut to the princely Roman villa, square, stone-built, with its several rooms. The hut, as constructed by the Britons, was almost of necessity a single chamber; and the change to a square building is now, in the Mission stations of Africa and elsewhere, one of the aims of the missionary, as it more easily lends itself to the provision of separate rooms for the various members of a family, and so tends to decency of life. The best preserved private houses are to be seen at Silchester (*Callewa Attribatum*); the site extends over 100 acres; and has been completely uncovered. Here we find two types of house; one, a long row of rooms with a verandah in front, and frequently a small room at each end of the verandah, a common type in the colonies to-day; the other, in which the rooms form three sides of an open square, and are connected by a corridor. One modification of the Roman type is to be noticed; "while

the houses of Italy were constructed to look inwards upon open *impluvia* as befitted a hot climate, the houses of Britain and Northern Gaul looked outwards on to the surrounding country." (Romanization, &c.)

A further advance made possible by the exchange from the pit-dwellings, or wattle-built hut, to the style of building introduced by the Romans, was the heating of their houses. This, from the necessity of the case, was a novelty to the Briton. There was no place for it in his hut. In Uriconium (Wroxeter, Salop) we have a fine example of a Roman, or rather what we should now call a Turkish, bath ; for there is clear evidence that the different rooms were heated to a different degree. Tiles for the passage of hot air from the cellar fires were clamped to the wall, in some rooms sparsely, closer in others, and again, in the hottest room they were placed in contact, so covering the whole wall. In Dorset we have abundant evidence of hypocausts in the tiles which have been discovered in various places, and which have most certainly been used for heating purposes. Moreover, in the villa discovered at Hemsworth we see the remains of the actual hypocaust *in situ*.

Then from the Roman the Briton would also learn to decorate his home. The decoration of the floors and walls of the Roman houses could not but strike the simple Briton with wonder. The Greek historian, Dion, records the surprise of Caractacus when, as a captive, he viewed the stately buildings of the Imperial City of Rome and exclaimed 'You who possess all these things actually covet the shanties of Britain.' Nay, as we look upon them to-day, after the lapse of nearly 2,000 years, do not such fragments as are preserved to us make us feel that we have not greatly advanced in that art ? The material used by the Roman builder in the construction of his mosaic floors seems, by general consent, to have been local, and not imported, so the Briton would readily learn to copy the Roman colonist, and his material was close at hand. In support of the view that he did thus copy we learn an interesting fact from Eumenius that in the age of Constantine 'skilled

artizans abounded in Britain, and were fetched to build public and private edifices as far south as Autun.' (Romanization, etc.)

The Briton, as we know from the Quern found at Bagber, was accustomed to grind corn, but his method was as simple as that of the African to-day ; the Roman Quern or Mill was a great improvement which he would readily adopt.

There is some uncertainty as to the introduction of the Potter's Wheel. Early British pottery gives clear evidence that it was made by hand, without the aid of the wheel. For the smaller vessels this would be a simple matter. For the larger ones it has been suggested that a basket would be used as a foundation, and the clay gradually built up inside until the whole was finished. Then, when fired, the basket-work would be burnt off, leaving the marks of the reeds on the outside like a pattern. It has been conjectured, indeed, that this may very probably have first suggested the ornamentation of other pots made by hand. But on the other hand, the British Museum Guide (Iron Age) is of opinion that the pottery found in the Aylesford Cemetery, to which is assigned a date of about 100 B.C., was all made on the wheel and "shows a distinct advance on the rough hand-made ware of the British Bronze Age." It is thought, too, that traces of a Potter's Wheel have been found amongst the relics from Glastonbury. But whenever, and by whomsoever the wheel was introduced, it would greatly advance the potter's art, and we may at least give Rome the credit of teaching the Briton improvements in the art.

Gardens—We have evidence from Pompeii, to mention only the house of the Vettii, of a Roman's love of a garden. We have also Pliny's description of his villa built at Laurentium on the shores of the Tuscan Sea, near the mouth of the Tiber. Writing on this subject Mr. Calthrop, in the "Charm of Gardens," says "Whether a Roman living in England ever built himself such a house it is difficult to prove, since, so far as I can find, no remains of such a place are to be seen. But when one considers the actual evidence of the

Roman occupation, the yields given by the neighbourhoods of Roman cities, the statues, vases, toys, the amphitheatres for cock-fighting, wrestling, and gladiatorial combat, then surely there were gardens of great wonder near to these cities, where men like Pliny went to sit in their garden-houses, and enjoyed the cool of the evening after a day's work.

Yes! We have little doubt that the Roman colonist would have a garden attached to his villa, and moreover he would most likely endeavour to grow some of his old friends to remind him of home, as the English colonist does to-day in Africa or Australia. To this we probably owe the introduction of some of our rarer plants; and in this connection it is interesting to read in the "Flora of Dorset" (p. 37), "*Leucojum Vernum* may possibly not be accepted as truly indigenous, for although it grows luxuriantly in its English habitat, it has no nearer authentic home than the Cote d'Or and Saone et Loire. Devon and Cornwall share with Dorset the enviable distinction of possessing the delicate, southern type plants *Polycarpon Tetraphyllum*, *Lotus Hispidus*, and *Cynodon Dactylon*." These and other plants may with great probability have been brought to our shores by the Roman settlers in Dorset. To Rome we certainly owe the Lettuce (*Lactuca*), both plant and name. Also in another department, the gastronomic, Rome used to be credited with the introduction of the Edible Snail (*Helix Pomatia*), but now I believe it is considered to be indigenous.

Roads—The Romans were notorious as road-makers. These were made with such care that they have out-lived the ages, and their traces are to be found in this XXth Century. But the Britons, too, were road-makers to some extent; their fame as Charioteers would suggest this; traces of these British roads are undoubtedly to be found in our county; though as with British earthwork fortifications so also with the roads, we doubt not that Rome utilised and improved them.

Bridges—From roads the transition is natural to bridges. A great engineering nation like Rome must, sooner or later

have introduced the Arch into Britain, and we see no reason to doubt, *pace* Mr. Brocklebank (D.F.C., Vol. 29), that the bridge at Preston is Roman ; and if Roman, it would come within the scope of our paper, as Preston is one of the sites which has furnished a tessellated pavement, so that it may be regarded as an adjunct to a Roman villa.

Then, a people who could produce surgical and other instruments such as were found in the ruins of Pompeii, and are now to be seen in the Naples Museum, had much to teach the Briton in the manufacture of tools. Already the Briton was advanced beyond the age when he had nothing but his flint implements with which to fashion his dug-outs, and make his spear and arrow heads. He was beginning to learn the use of metal, but a great impetus would be given by the advent of the foreigner. He had learned the art of Metallurgy even in pre-Roman times, as we know from the crucibles that have been found in Glastonbury. He had learned to forge his spear-heads and axes and implements of agriculture ; but from Rome it seems certain that he learnt coinage.

In Cæsar's time his money consisted of cumbersome bars of iron of a definite weight, and slightly varying in shape ; specimens of these may be seen to-day in the British Museum. And here, on the adjacent wall, is hung a case containing casts of British coins preserved in the Museum. But first there is a cast of a gold " Philip II. of Macedon." The object of placing these in juxta-position is to show the genesis of British coinage. In the Guide to the Antiquities of the Early Iron Age a plate is given of these early British coins, and one sees how the first coinage was almost a burlesque on the Philip II., from which it appears to have been copied. To quote from the Guide, " The obverse has the locks of hair and the laurel wreath much exaggerated, and drapery added at the neck, while the reverse has a fret pattern in the exergue instead of the name of Philip, and only one horse is shown, the driver being placed above in the position usually occupied by a Victory on coins of Syracuse." The horse, however, after a time develops eight legs, and the Charioteer is resolved into

a cluster of atoms. Coins of British kings are extant extending over the last 30 years B.C., which show an increasing tendency towards Roman manners and art. The old barbaric survivals of the Macedonian effigies disappear, classical profiles are introduced, and the cornucopia, the eagle, and the lion sometimes make their appearance. (Political History.) It is interesting to note that the name of one of these kings, Dumnobellaunus, is preserved in a monument at Angora, in the heart of Asia Minor. On the side of a desolate Galatian hill stand the ruins of a marble temple of 'Augustus and Rome,' the walls of which bear an inscription recording the chief events of the 56 years of Augustus' reign : "To me fled as suppliants the kings of the Parthians . . . the kings of the Britons, Dumnobellaunus and Tim . . .," the rest of the name being obliterated. (Political History p. 27.)

While speaking of coins it is well to remember that even the civilised world has only recently, so to speak, produced coinage. It was in the 7th century B.C. that the Lydians in Asia Minor introduced a stamped coinage, replacing the unstamped, weighed metal of the Babylonians. (Encyc. Brit.) So the Britons were not so very far behind the times, and they would prove apt pupils under Roman tutelage. British coins have been found, one of Allectus and one of Victorinus, on the site of the British village on Boveridge Down (Ancient Dorset p. 22), 20 of bronze or copper on Minchington Down, and others in various parts of the county (p. 279). Hod Hill furnished several British coins (p. 154) besides Roman from Augustus to Trajan. Dorchester is credited with but few, a gold coin from Maiden Castle, a large silver, a base silver, and a bronze (Dorch. Antiq. p. 48) but Roman coins are plentiful, from Augustus to Trajan. Coins from Gordian to Postumus have been found at Preston.

But if the Briton learned many good things from the Roman, we cannot blind our eyes to the fact that, in all probability, he also learned some bad things. It is painfully certain that, along with their civilisation, they would impart also their vices. So far fortunately we have not to my knowledge

unearthed anything which could give colour to this charge ; but the obscenities of Pompeii make one fear that such would be the case. It is the sad experience of the Missionary to-day. Civilisation is not always an unmixed blessing. It never can be a blessing at all unless it is accompanied by Christianity ; and our study of Roman influence on the civil life of Britain would be incomplete were we to leave out altogether the subject of Christian Missions.

At the Council of Arles, 310 A.D., there were present three British Bishops, York, London, and probably Lincoln, proving the early introduction of Christianity. Whence did it come ? Tradition speaks of S. Paul himself as having visited our island. S. Joseph of Arimathea is bound up traditionally with Glastonbury. The first missionaries made use of, and to a large extent followed, the Roman roads ; and one of these we know traversed our county from Durnovaria (Dorchester) to Sorbiodunum (Old Sarum). Traces of Christianity may be rare amongst us. If we are to trust antiquarians, *no* traces have been found amongst the innumerable Roman remains extant in this county. That may be too strong a statement. But the wonder is, considering the ruthless character of the Saxon invasion, that any traces at all of Roman civilisation are left to us ; and such emblems of Christianity as might be found would be the first to suffer at the hands of their heathen invaders.

Yet even within the limits of our survey there is one relic which lays claim to be Christian, and is in keeping with the thought that some of our Roman colonists brought the Faith of Christ to these shores. There has been found, worked into the design of a tessellated pavement at Frampton, what has been said to be ‘ the earliest known emblem of the Christian Faith in Britain,’ the Chi-Ro, the initial letters of the Name of Christ, and this lends colour to the assertion that Christianity existed as a new Faith in Wessex even during the life of S. Paul himself. It is no disproof that this emblem was associated with an inscription to Neptune, and a head of the God.

IV.—CONCLUDING REMARKS ON THE CIVIL LIFE IN BRITAIN.

We are now able to picture to ourselves, faintly perhaps and only in dim outline, yet with some degree of truth, the civil life of the Roman colonist in those early years of the history of our county. Dorset is still held by Roman garri-sons, dotted about in good strategic positions. Many of the ancient British earthworks, as at Maiden Castle, Hod Hill, &c., have been strengthened and adapted to the requirements of the Roman Legions. But Roman and Briton in this South country are no longer at strife. War has travelled northwards and left our county to develop the arts of peace. The Roman is now free to build himself those villas which modern research is from year to year exposing to our view. We see those villas to have been equipped with all the appliances to which he had been accustomed in the luxurious city of Rome. He spared no pains in the decorating of his home, for he had come to stay. The floors were laid with mosaics, rich in colour and in design. The walls were adorned with frescoes. Baths of a most elaborate kind were added, furnished with all the appliances of a Turkish bath. His rooms were comfortably heated, for our climate, especially in the winter, would feel cold to the southerner.

Then on a summer evening, can we not picture him sitting in his villa garden looking at the shadows racing across the heath, or enjoying the cool breeze which comes to him from off the Channel, and watching the waves breaking, and dreaming perhaps of his distant home-land across the water? Or it may be that he is busy sowing the seed which some friend has just brought him from home, or watching his bed of young lettuce which he is trying to naturalise.

Nor is he alone. There were no need for him to build such villas unless he intended to bring wife and family to Britain. These assuredly shared his voluntary exile, and have left us abundant evidence of their presence in the bracelets and brooches, the hair-pins and combs which have been found on the site of their dwellings.

The Briton, moreover, was rapidly learning the arts of civilisation from his Roman neighbour, so that there would be a steady approach between the two nations. Friendships would be formed, and these might in time grow to closer alliances. Then if, as we have reason to believe, some of our Roman visitors were Christian, they would regard the native Briton in a new light. The more earnest of them, at any rate, would try to bring these natives to the knowledge of Christ, and here would be a new link forged binding the races together in a Christian fellowship.

Other influences were at work tending to assimilate the races. We learn from Tacitus that Agricola, his father-in-law, encouraged the Britons to come into the towns, build houses, &c. The bath, and the luxurious banquet offered their attractions not in vain to the late simple hunter in the forest. and though, as Tacitus sarcastically remarks, "the simple folk called that civilisation (*humanitas*) which was really the beginning of slavery," yet at first it would have the effect of bringing Roman and Briton into closer contact. We know how in the end it sapped the virile life of the nation, and made them unequal, when Rome withdrew her troops, to withstand the Saxon invasion.

If Professor Buckman (D.F.C., Vol. 11. p. 58) is correct in his surmise, we have in East Farm, Bradford Abbas, an example of a little community of British and Roman living together. The villa remains to be discovered, but "bits of pavement" have been found scattered about. But what has been found is a number, some five or more, of cooking stoves; or they may have been used for firing pottery; and the Professor considers the dwellings in which they have been found to have been occupied by Celts, the slaves or labourers of the owner of the adjoining villa. Were this the case, it gives us a fresh peep into the life of the Roman colonist.

Another scene of Roman life in Britain we may surely picture to ourselves. The Amphitheatre, so essential an adjunct to the life of a Roman, was not wanting. Maumbury Rings, just outside Dorchester, has fortunately been preserved to our

day. Dr. Stukeley calculated that it would accommodate close on 13,000 spectators. In the 18th century it was used as the place of public execution, and 10,000 persons are said to have been present at the last execution in 1705. A different, but not less disgusting, sight claims our attention. Some great national festival is at hand, and there are to be games in the Amphitheatre. The "Gens Togata" and majesty of Imperial Rome will show itself. High officials may even join in the contests. In Whyte Melville's "Gladiators," which we believe gives a faithful picture of Imperial Rome, the Patrician Placidus enters the arena as a Retiarius. Our Roman, clad in his Toga; wearing finger rings such as have been found at Fifehead (at first a military distinction, then a Senatorial privilege, but afterwards extended to knights and other classes); will drive in his chariot to attend the show. The ladies of his household will be there also. They will be distinguishable more by their ornaments than by their dress, for the Toga was worn by both sexes. They will appear in their gayest attire, wearing their Fibulæ or brooches, and Armillæ (bracelets), as found at Fifehead Neville, Brachialia (armlets) like that from Maumbury, Crinales (hair-pins) such as the beautiful specimen of bronze found at Dorchester; also may be seen Torcs or cords of gold, worn round the neck or on the arm, such as had been introduced from Gaul, and are amongst the relics found at Neville. On the head would be worn Coronæ (wreaths).

But the greater number of the spectators would be drawn from the native population. In contrast to the richly dressed Romans, these would come in their rough dress made from the skins of animals taken in the chase; the women, perhaps, wearing leather aprons, adorned with beads, much after the fashion of the African to-day. And then the show! Gladiatorial combats; fierce exhibitions of courage, strength, and skill; crowned with the victor's wreath, or alas, doomed to the fatal penalty awarded to ignoble defeat. These, with various kinds of races, constituted in all probability the principal amusements which the civilising Roman provided for

the purpose of reconciling the Durotriges to the yoke they had to bear.

But we must curb our imagination. The Roman occupation drew to a close. The Teuton conquest of Gaul early in the 5th century cut off Britain from the Empire. The Central Government ceased to send Governors, and the Roman Legionaries were gradually, and about the year 436 A.D. finally, withdrawn, having occupied our island for nearly 400 years.

But though the soldiers left, many a Roman civilian would remain. Ties of friendship, and even of kinship, had been formed which knit them in a bond of fellowship with the Britons; and even amongst the soldiers we can well believe that Millais' picture is true to life, and that many a soldier, while ordered home, left his heart behind.

BOOKS OF REFERENCE.

- Proceedings of D.F.C. from the commencement. 32 Vols.
 Days before History. By H. R. Hall.
 The Glastonbury Lake Village. By A. Bulleid and St. G. Gray.
 Vol. I.
 Pompeii. By Gusman.
 Ancient Dorset. By Chas. Warne.
 Wessex. By Walter Tyndale and Clive Holland.
 Political History of England (in XII. Vols.). By T. Hodgkin.
 Vol. I.
 Cæsar. De Bell. Gall.
 Tacitus. Agricola.
 Uriconium. By J. Corbet Anderson.
 Dorchester Antiquities. By H. J. Moule.
 Guide to Dorset County Museum. By J. E. Aeland.
 Catalogue of Sepulchral Pottery. By J. E. Aeland.
 Guide to Early Iron Age Antiquities. By British Museum Trustees.
 The Charm of Gardens. By D. C. Calthrop.
 Flora of Dorset. By J. C. Mansel-Pleydell.
 The Romanization of Roman Britain. By F. Haverfield.
 Encyc. Brit. XIth Ed.

INDEX TO VOL. XXXIV.

By E. W. YOUNG.

- Aeland, Capt. J. E., xliii., xlvii., 1.
 Arachnida, British (1912), xlviii., 107
 Author's Publications on, 108
 List of, 128
 New and Rare, 110
 Archæological Congress, Delegates' Report, xliii.
 Assizes, Dorset, XVII. Century, xlv., 17
 Avebury, Church, xxx.
 Temple, xxxi.
 Banks, E. R., xlviii., 46
 Barclay, Rev. W. G., xli.
 Barley, Malting, &c. (Table), 215
 Beaulieu, Abbey, xxvii., xxviii.
 Buckler's Hard, xxviii.
 "St. Leonard's Abbey," xxvii.
 Bellarmine Jugs, xlv.
 Birds, First Appearances, &c. (1912), 200
 Notes on Rare, &c., 201
 Tables, 212
 Bloxworth, Church, 42
 Bond, Nigel, liii.
 Bradford Abbas, Church, xxxvi.
 Cross, xxxvii.
 Brasses, Memorial, 158
 Brewers of Sherborne (1383), xlviii., 151
 British Association, Delegate's Report, xlii.
 Browne, Cornish, l., liii.
 Butterwick, Buried Oaks at, xlv.
 Cambridge, Rev. O. P. (Vice-President) xlviii., 42
 Came, Barrows, Damage to, xliii.
 Cecil, Lord E. (Vice-President), xl.
 Cerne Valley, Visit to, xxxix.
 Abbey, xl.
 Barn, xl.
 Church, xl.
 St. Augustine's Well, xl.
 Charles II. at Trent, xxxvi.
 Charminster, Church, xxxix.
 Cross, xi.
 Cicada, larva and pupæ of, xlvii.
 Cistercian Order, The, xxviii.
 Clifton Maybank, xxxvii.
 Coker's Survey of Dorset, xxxvi.
 Committees, Earthworks, lii, liii.
 Numismatic, liii,
 Photo. Survey, l.
 Cranborne Chase, Earthworks at, xlv., 31
 List of, 34
 Notes on Plans of, 39
 Crosses (Dorset), 155
 Daniell, Mr., xxxvii.
 Dicker, Rev. C. W. H. (Editor and Vice-President), xxviii., xxix., (Death of) xxxv., lvii. (Reminiscence of), 42
 C. G. H., xlv.
 Digby, Wingfield, xliii.
 Dorchester, Plans and Sections of, li.
 Dundas, Archdeacon, xxxix.
 Elwes, Capt. (Vice-President), xxvii., xxviii., xlix.
 Financial Statements, liv.
 Fletcher, Canon, xlviii., 167
 Forsyth, Mr., xliii.
 Froxfield Almshouses, xxxiii.
 Fry, E. A., xliii., xlviii., liii., 151
 Gerard, Thomas, author of Coker's Survey, xxxvi.
 Gray, H. St. G., xxx., xxxi., xxxii., 81
 Gundry, Rev. H. D., xl.
 Harbin, Rev. E. H. Bates, xxxvi., xxxvii.
 Harding, Stephen (Monk of Sherborne), xxviii.
 Henshaw, R. S., xliii., 186
 Insects, &c., Dorset, First Appearances of (1912), 200
 206
 Table 214

Lepidoptera (Purbeck), xlviii., 46
 Delenda et Corrigenda
 (Vol. VI., pp. 128-177).
 47
 List of, 52

Mainwaring, Lt.-Col., xliii., xlvii.
 Mansel-Pleydell, Canon J. C. M. (Vice-
 President and Hon.
 Treas.), xli., xlix.,
 liii.

March, Dr. H. Colley (Vice-President),
 xxx., xxxiii., xl., xlv., lii., 1, 81

Marlborough, Meeting at, xxx.
 Avebury Church, xxx.
 Temple, xxxi.
 Froxfield Almshouses,
 xxxiii.
 Knowle Chapel, xxxiii.
 Gravel Pits,
 xxxiii.
 School, xxx.
 Silbury Hill, xxxii.
 St. Mary's Church,
 xxxii.
 Littlecote Hall, xxxiv.

Marque, Letter of (1803), xlv.

Maumbury, Excavations at, xlvii.,
 81

Medals Competitions, lii.

Meetings, Annual, xlix.
 Summer, xxvii., xxx., xxxvi.,
 xxxix.
 Winter, xlii., xlvii.

Members of the Club—
 Honorary, xi.
 List of, xii.
 New, xxv.

Memorial Brasses of Dorset (Part
 VII.), xlix., 158
 Church Knowle—
 Clavell, 164
 Lytchett Matravers—
 Pethyn, 163
 Clement, 164
 Mappowder—
 Coker, 166
 Pimperne—
 Williams, 162
 Wareham, St. Mary's—
 Burges, 159
 Franke, 159
 Perkins, 160
 Moore, 160
 Woolland—
 Argenton, 161

Minterne, xli.

Montagu, Lord, xxviii.

Morris, Sir W., xxx., xlii.

Mortival, Roger de, Bishop, Inspeci-
 mus of (1315-1330), 153, 155

Moule, Henry (the late), xl.

Museum, County, additions to, xliii.,
 1.

Nash-Brown, J. W., xxviii.

Newland, Stone Cross at, 155.

Newton Surmaville, xxxvii.

New Testament, Paraphrase of
 Erasmus on, xlvii.

Officers of the Club, Past and Present,
 v., xi.

Orcus (*Thynnus*) thynnus, 201

Ord, Dr. W. T., xlv.

Pentin, Rev. H. (Vice-President and
 Hon. Sec.), xxix., xxiii., xxxv.,
 xxxvii., xl., xlv., xlix., liii., 176

Peters, Rev. A. E. G., xxxii.

Petroleum Oil, Sources of, lii.

Pitt-Rivers, A. L. F., xli.

Plants, Flowering, Dorset, Earliest
 Records (Dorset), Tables 210

Pope, A., xxxvi., xxxvii., xl., xlv.,
 xlviii., 155
 F. J., xlv., 17

Pouney, H. (Assist. Sec.), liii.

Presidential Address, xlix., lvi.
 Anthropology and Arch-
 æology, lxxvi.
 Astronomy, lxxvii.
 Botany, lxxiv.
 Chemistry, lxxii.
 Electricity, lxxii.
 Engineering, lxxiv.
 General, lxxx.
 Geography, lxxxvi.
 Geology, lxxv.
 Meteorology, lxxix.
 Obituary, lvi.
 Zoology, lix.

Prideaux, W. de C., xlix., 158

Publications of the Club, xxvi.

Rainfall, &c., in Dorset (1912), xliii., 186
 Annual, 199
 Monthly, 198
 Observers' Notes, 188
 Steepleton Manor, 198
 Tables, 194

Ramsbury, xxxiv.

Rawlence, E. A., xxxvi., xlv., xlv.

Reid, Clement, xlix.

Reports, Director Photo. Survey, 1.
 Earthworks Sectional Com-
 mittee, lii.
 Editor's, 1.
 Secretary's, xlix., lv.
 Treasurer's, xlix., liv.

Richardson, N. M. (President), xxx.,
 xxxv., xxxviii., xxxix., xlii., xlv.,
 xlvii., xlix., liii., lvi., 46, 200

Roman Villas (Dorset), lii., 216

Roper, Charles, lii.

Rules of the Club, vi.

Sandsfoot Castle, xlv.

Seando-Gothic Art in Wessex, xlv.,
 1

- | | |
|---|---|
| <p>Sermon to Dorchester Gentlemen
(1691), xlv.</p> <p>Sherborne Brewers, xlviii., 151</p> <p>Silbury Hill, xxxii.</p> <p>Societies, &c., Corresponding, xxxvi.</p> <p>St. Cuthburga of Wimborne Minster,
Marriage of, xlviii., 167</p> <p>Stilwell, H., xliii.</p> <p>Sumner, Heywood, xlvi., 31</p> <p>Superstitions (Dorset), 137</p> <p style="padding-left: 2em;">Candlemas, 139</p> <p style="padding-left: 2em;">Days, 143</p> <p style="padding-left: 2em;">Months, 140</p> <p style="padding-left: 2em;">New Year's Day, 138</p> <p style="padding-left: 2em;">Weather Forecasts, 145</p> <p>Symonds, H. (Vice President and
Hon. Editor), xliii., xlv., l., liii.</p> <p>Trent, Church, xxxvi.</p> <p style="padding-left: 2em;">Manor House, xxxvi.</p> | <p>Udal, J. S., xlviii., liii., 137</p> <p>Upcerne, xli.</p> <p>Usherwood, Canon, xlix., lii., 216</p> <p>Weather Lore, Dorset, xlviii., 137</p> <p>Webb, E. Doran, xxx., xxxiii., xxxiv.</p> <p>Weymouth Half-crown (1643-4), xlv.</p> <p>Whitcombe Church, Sculptured Stones
at, xlv., l.</p> <p>Wickham, Canon, xxxvii.</p> <p>Wilton, Rev. T. G., xxxvi.</p> <p>Winwood, T. R., l.</p> <p>Wright, Rev. T. Russell, xxix.</p> <p>Wyke Grange, xxxvi.</p> <p>Yeo Valley, Upper, Visit to, xxxvi.</p> <p style="padding-left: 2em;">Bradford Abbas, Church,
xxxvi.</p> <p style="padding-left: 4em;">Cross, xxxvii.</p> <p style="padding-left: 2em;">Trent Church, xxxvi.</p> <p style="padding-left: 2em;">Wyke Grange, xxxvi.</p> |
|---|---|



20.10.65 m
DA
670
D69D6
v.34

Dorset Natural History and
Archaeological Society
Proceedings

PLEASE DO NOT REMOVE
CARDS OR SLIPS FROM THIS POCKET

UNIVERSITY OF TORONTO LIBRARY
